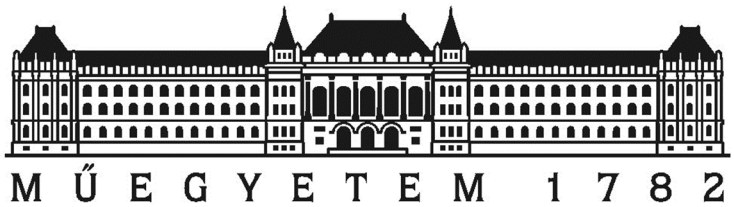

BUDAPESTI MŰSZAKI ÉS GAZDASÁGTUDOMÁNYI EGYETEM

VILLAMOSMÉRNÖKI ÉS INFORMATIKAI KAR

IRÁNYÍTÁSTECHNIKA ÉS INFORMATIKA TANSZÉK

MÉLYTANULÓ ALGORITMUSOK ALKALMAZÁSA AGY-GÉP INTERFÉSZEK FEJLESZTÉSÉHEZ

TDK dolgozat

KÉSZÍTETTE

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2018

TARTALOM

1. MOTIVÁCIÓ ÉS CÉLOK

Az elektronikus eszközök tisztán gondolatokkal történő vezérlése lehetségessé vált úgynevezett agy-gép interfész rendszerek által, ezek segítségével egyrészt mozgássérült személyek végtagprotéziseket és tolószékeket irányíthatnak [21] [18], továbbá bezártság-szindrómában szenvedő betegek számára biztosíthatnak újfajta kommunikációs csatornákat [17]. Léteznek fejbőrre vagy agyfelszínre helyezett érzékelőkön alapuló interfészek, de a hasznos agyi jelek kinyerésének leghatékonyabb módja az idegszövetbe ültetett elektródok alkalmazása [16] [23]. Jelenleg azonban utóbbi módszeren alapuló rendszerek sem képesek azt a hatékonyságot biztosítani, mellyel például egy robotkéz egy természetes végtaghoz hasonló gyorsasággal, precizitással és ügyességgel vezérelhető lenne.

1. ÁBRA: MOZGÁSSÉRÜLT SZEMÉLY IDEGSZÖVETBE ÜLTETETT MULTIELEKTRÓDRA ÉPÜLŐ AGY-GÉP INTERFÉSZ RENDSZER SEGÍTSÉGÉVEL EGY ROBOTKART VEZÉREL [18]

Egy szövetbe ültetett szenzor – jellemzően mikrotechnológiával kialakított multielektród-rendszer [20] - minél több környező sejt aktivitását képes elkülöníteni a mért jelekből, a szenzor által biztosított felvételek információtartalma annál nagyobb lesz, és ez az elképzelt mozgások, vagy akár komplexebb gondolatok továbbítására alkalmas sávszélességet is meghatározza. Az elmúlt években különböző kutatócsoportok olyan sokcsatornás multielektródokat fejlesztettek, melyek több száz, akár ezret meghaladó kontaktuspontot tartalmaznak, ezek segítségével pedig igen pontos képet kaphatunk az érzékelőket környező idegi aktivitásokról [1] [22] [19]. Probléma azonban, hogy az idegi jelek valós idejű feldolgozása nehezen tart lépést ezen új eszközök által szolgáltatott adatmennyiséggel. Valamint ugyan az egyes makroszkopikus agyi régiók többnyire elkülöníthetőek funkciók szerint, mikroszkopikus szinten minden felhasználónak az ujjlenyomathoz hasonlóan igen egyedi módon jelennek meg a gondolatai, ráadásul az idegsejtek holisztikusan kódolják az információt. Ezért az agy-gép interfészek felhasználói által kiadott gondolati utasítások dekódolásához személyre szabott, adaptív rendszerek kifejlesztése van szükség. Célunk, hogy a

napjainkban gyorsan fejlődő kép, beszéd és videofelvételek elemzésére kiválóan alkalmas tanulóalgoritmusok az agyi jelek klasszifikációjához is robusztus módon alkalmazhatóak legyenek. Ez a dolgozat arra tesz kísérletet, hogy sokcsatornás elektódrendszerrel felvett agyi jelekben található egysejt-aktivitásokat („tüskéket”) elkülönítse, mely folyamat kritikus eleme egy idegszövetbe ültetett multielektródokon alapuló agy-gép interfésznek [24].

2. BEVEZETŐ

A dolgozat olyan mélytanuló (deep learning) algoritmusokat alkalmazó módszert mutat be, mely a Magyar Tudományos Akadémia Természettudományi Kutatóintézetének Kognitív Idegtudományi és Pszichológiai Kutatóintézetével együttműködésben idegszövetbe ültethető elektródák segítségével rögzített jelek automatikus feldolgozását célozza.

A használt elektródák 32 sorban és 4 oszlopban elhelyezkedő érzékelő elemeket tartalmaznak, így a feldolgozandó (altatásban levő rágcsálók hallókérgi aktivitását monitorozó) felvételek 128 csatornán tartalmaznak adatot. Egy elektróda közelében körülbelül 30–50 olyan idegsejt található, melynek aktivitási mintázata jól elkülöníthető. A Keras és TensorFlow keretrendszerek felhasználásával fejlesztett algoritmusnak képesnek kell lennie a felvétel rögzítését végző elektróda környezetében elhelyezkedő idegsejtek aktivitásának detektálására, illetve azok megkülönböztetésére aszerint, mely idegsejttől származnak.

Az egyes felvételekben található sejtaktivitások manuálisan felcímkézettek, így az adatsorok felhasználhatók az algoritmus felügyelt tanításához. Nehézséget jelent az egyes klaszterek (adott neuronhoz tartozó aktivitások) esetleges térbeli átlapolódása. Figyelembe véve, hogy a későbbi alkalmazhatóság szempontjából előnyös az algoritmus célhardveren történő futtathatósága (pl. esetleges későbbi on-line adatfeldolgozáshoz), az adatsorokon a lehető legkisebb előfeldolgozást célszerű végrehajtani. A módszernek továbbá a detektálandó elemek esetleges kisebb mértékű torzítása esetén is robusztusnak kell lennie. Ezért konvolúciós hálókat alkalmaztunk. A fenti követelményekkel összhangban jelentkezik a feladat megoldását megvalósító háló viszonylagos egyszerűsége – szoftver túlzott komplexitása (kis teljesítményű hardver esetén jelenthet problémát), illetve túlillesztés (a háló bonyolultságából következő elégtelen generalizációs képesség) elleni védelem.

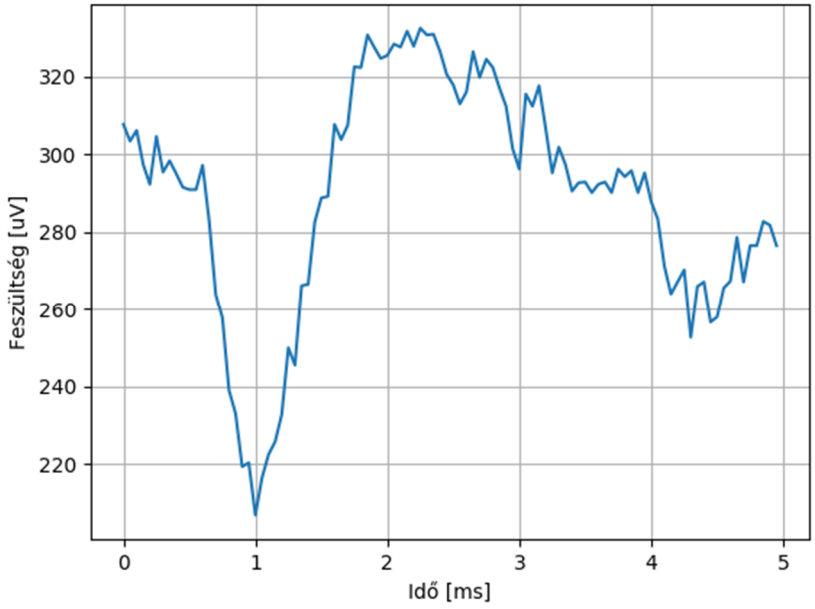
Az elért eredmények alapján a hálóval egy adatfolyamból például a 23 legnagyobb amplitúdót eredményező idegsejt jelei 85 %-ot meghaladó hatékonysággal detektálhatóak és különíthetőek el egymástól.

Kulcsszavak: tüskedetektálás, spike detection, mélytanuló algoritmus, deep learning, konvolúciós háló, neurális háló

3. ELMÉLETI HÁTTÉR

3.1. Alapfogalmak

Tüske: a detektálni/osztályozni kívánt idegi aktivitás; egy adott idegsejt (ezt egységnek vagy klaszternek is nevezik) akciós potenciáljának feleltethető meg. Egy tüske időbeli hossza hozzávetőlegesen 5 ms. Időbeni lefutását a 2. ábra mutatja.



2. ÁBRA: IDEGI AKTIVITÁS JELLEGGÖRBÉJE

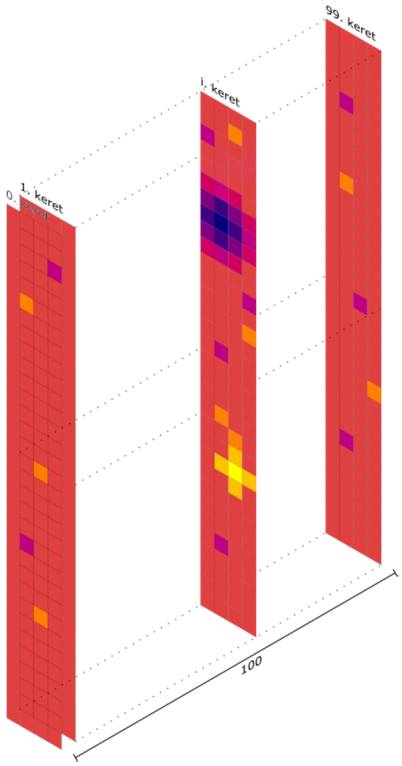
Keret: az elektróda 128 csatornái értékeinek összessége egy megadott időpillanatban (az elektródáról készített „pillanatfelvétel"). Egy ilyen keretet mutat a 3. ábra (sárgával a nagyobb, kékkel az alacsonyabb feszültségeket jelölve).[1]

3. ÁBRA: KERET JELLEMZŐ KÉPE

Időszelet: egy időszakban rögzített keretek összessége (az elektródáról készített rövid „videó").

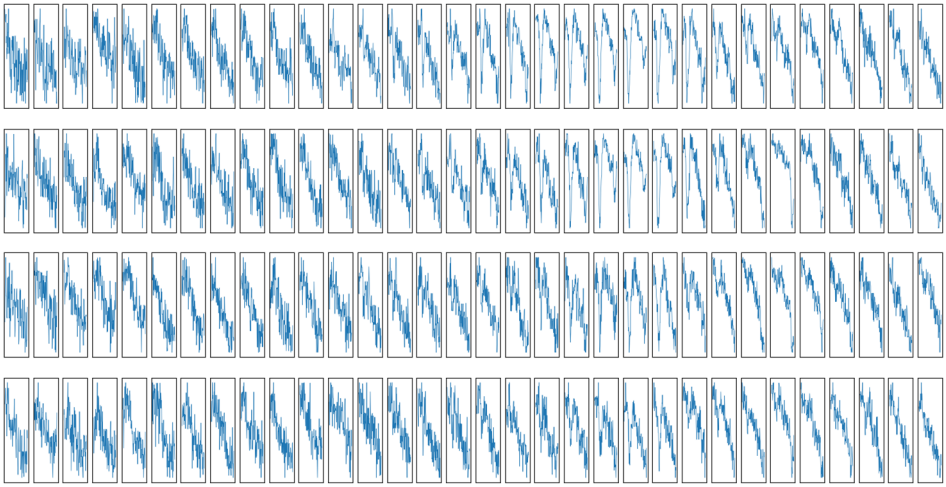
A 4. ábra egy időszeletet szemléltet. Ha a bemeneten kisfrekvenciás szűrést végeznénk, a középen látható pillanatfelvételen szereplő kék foltként láthatnánk egy aktivitás maximumát, a sárga folt pedig egy már lecsengő aktivitás képe lenne.

[1] A kép 90°-kal elforgatásra került a jobb helykihasználás érdekében: a 0. csatorna a bal felső, a 127. a jobb alsó.



4. ÁBRA: IDŐSZELET ILLUSZTRÁCIÓJA

Az 5. ábra is egy időszeletet mutat, az egyes csatornáknak megfelelően mátrixba rendezve.[2]



5. ÁBRA: EGY IDŐSZELET CSATORNÁKRA BONTVA

Pozitív adat: azon adathalmaz, ami olyan kereteket/időszeleteket tartalmaz, amiben a detektálni/osztályozni kívánt adat megtalálható (pl. a 3. és az 5. ábra is ilyen adat – előbbin az aktivitás ugyan nem látható, mivel nem végeztünk alacsony frekvenciás szűrést, utóbbi jobb felső részén több csatornán is jól látható az aktivitásra jellemző mintázat).

[2] Az ábra értelmezése azonos a 3.-éval.

Negatív adat: azon adathalmaz, ami olyan kereteket/időszeleteket tartalmaz, amiben a detektálni/osztályozni kívánt adat nem található meg.

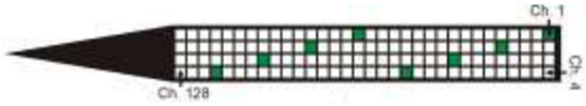
Címke: adott adathoz/adathalmazhoz társítható információ, arra vonatkozik, hogy az adat/adathalmazban található adatok pozitívak vagy negatívak.

3.2. Alapinformációk a felhasznált adatokról

3.2.1. A mérőeszköz leírása

Az adatok rögzítéséhez használt mérőtűk szilíciumból készültek, rajtuk egy 32 x 4 érzékelő elemből álló titánium-nitrid érzékelő mátrix található. A hasznos felület maximalizálása érdekében az érzékelő elemek porózusak.

A mérőtűk mérete 8 mm x 100 µm x 50 µm (hosszúság-szélesség-vastagság); az érzékelő elemek 20 µm x 20 µm-es négyzetek, impedanciájuk 1 kHz-en hozzávetőlegesen 50 kΩ. Az elektródák között 22,5 µm szélességű szabad felület található. Egy ilyen elektróda sematikus képét mutatja a 6. ábra.



6. ÁBRA: AZ ADATOK RÖGZÍTÉSÉHEZ HASZNÁLT MÉRŐTŰ FELÉPÍTÉSE [1]

3.2.2. Az adatok leírása

A konvolúciós hálókkal feldolgozandó adatsorokat a Magyar Tudományos Akadémia Természettudományi Kutatóközpont Kognitív Idegtudományi és Pszichológiai Kutatóintézetének munkatársai készítették [1].

Az adatok altatásban levő rágcsálók hallókérgében történő idegi aktivitásnak feleltethetők meg. Egy felvétel természetesen több neuronhoz tartozó tüskét tartalmaz; ezeket a kutatók manuálisan szétválogatták, külön fájlokban listázva a tüskék maximumának időpontjait. E fájlokat az algoritmusok írásakor az adatok felcímkézésére használtuk fel.

Az adatrögzítés során használt mintavételi frekvencia 20 kHz. Az adatsorok sávszélessége 0,1–7500 Hz. Az adatok az őket tartalmazó .dat fájlban a rögzítés időpontjának, azon belül az elektródák csatornáinak sorrendjében helyezkednek el, kétbájtos, előjeles egész számként ábrázolva (LSB = 0,195 µV).

Összesen 9 adatfájlt használtunk fel, amelyek egyenként 23–46 neuron aktivitásait tartalmazták.

3.3. Konvolúciós hálók

3.3.1. Neurális hálók

A neurális hálók olyan matematikai struktúrák, amelyek függvények közelítésére használhatók fel. Ezek a függvények lehetnek folytonos (pl. regresszió), vagy diszkrét (pl. a bemenet valahány kategóriába sorolása) értékűek.

3.3.1.1. A neurális hálók alapstruktúrája

Neurális hálónak nevezzük az alábbi matematikai struktúrákból (mesterséges neuronok) összeállított rendszereket [1]:

$$y = \sigma \sum_{i=0}^{n} w_i x_i,$$

ahol:

- x_i a neuron bemenetei (a 0. indexnek megfelelő elemet ofszetnek – bias – nevezik; gyakran elhagyják);
- w_i a neuron bemeneteit súlyozó tényezők (az ofszet súlya általában 1), a háló tanítása során ezeket a paramétereket hangoljuk – értékük inicializáláskor általában kis véletlenszám (hatással lehet a végeredményre is);
- $\sigma(\cdot)$ pedig az aktivációs függvény; szolgáltathat a bemenetével arányos (pl. identitás), vagy valamilyen telítődéssel rendelkező kimenetet (ez lehet sima – pl. tangens hiperbolicus) vagy nem sima – pl. egységugrás.

A neuronok rétegekbe szervezhetők: ezek tartalmazhatnak egy vagy több neuront, mindegyik az előző réteg kimeneteit kapja bemenetéül; funkció szempontjából feloszthatók bemeneti, rejtett, illetve kimeneti rétegekre.

Az univerzális approximáció tétele szerint megfelelően nagy neuronszámú, 1 rejtett rétegű neurális hálóval tetszőleges mértékben közelíthető bármely kompakt halmazon folytonos függvény [4].

A mesterséges neuronok a „valódi” idegsejtek leegyszerűsített matematikai modelljeinek tekinthetők: az idegsejtek is rétegekbe szerveződnek, a szomszédaiktól kapott jeleket adaptív módon súlyozzák és tüzelési mechanizmusuk is nagyban hasonlít az általunk alkalmazott aktivációs függvényekre.

3.3.1.2. Költségfüggvények és optimalizálók

A neurális hálók fontos összetevői a költségfüggvények és az optimalizálók. A neurális hálók statisztikai elven működnek: ha ismert a bemenet és az azokra adandó kimenet, a hálók súlyait úgy állítják, hogy a már látott bemenetekhez hasonló inputokra az elvárt kimenethez hasonló eredményt állítson elő.[3] Természetesen, minél több bemenet/kimenet párt (ezeket tanító adatoknak nevezzük) „látott" már a háló (és minél többször) az eredmény annál biztosabban közelíti az elvárt kimenetet (feltételezve, hogy a tanító adatok megfelelően reprezentálják a megvalósítandó leképezést).

A költségfüggvények a háló által szolgáltatott kimenet és az elvárt kimenet eltérésének függvényei; azt fejezik ki, hogy a hiba milyen mértékben „büntetendő", vagyis milyen mértékben szükséges a súlyok állítása a hiba függvényében.

A Keras függvénykönyvtár által (általunk is) használt költségfüggvények [5]:

- mean_squared_error: $u = \overline{\left(y - y_{elvárt}\right)^2}$, $\overline{(\cdot)}$ a középérték operátor
- mean_absolute_error: $u = \overline{\left|y - y_{elvárt}\right|}$
- mean_absolute_percentage_error: $100 \cdot \left|\frac{y_{elvárt} - y}{\max\left(y_{elvárt}, \varepsilon\right)}\right|$, $\varepsilon > 0 \Rightarrow \max\left(y_{elvárt}, \varepsilon\right) > 0$
- mean_squared_logarithmic_error: $u = \overline{\left(\ln \max\left(y, \varepsilon\right) - \ln \max\left(y_{elvárt}, \varepsilon\right)\right)^2}$
- squared_hinge: $u = \overline{\left(\max\left(1 - y \cdot y_{elvárt}, 0\right)\right)^2}$
- hinge: $u = \overline{\max\left(1 - y \cdot y_{elvárt}, 0\right)}$
- categorical_hinge: $\max\left(1 + \max\left(1 - y_{elvárt}\right) \cdot y - \sum y_{elvárt} y, 0\right)$, $\sum(\cdot)$ a mátrix összes elemének összegzése
- logcosh: $u = \overline{\left|\ln \mathrm{ch}\left(y - y_{elvárt}\right)\right|}$ (elméletileg; a gyakorlatban kicsit másképp implementált)
- categorical_crossentropy (a TensorFlow backend biztosítja)
- binary_crossentropy (a TensorFlow backend biztosítja)
- kullback_leibler_divergence: $u = \sum y_{elvárt} \ln \frac{\min\left(\max\left(y_{elvárt}, \varepsilon\right), 1\right)}{\min\left(\max\left(y, \varepsilon\right), 1\right)}$
- poisson: $u = \overline{y - y_{elvárt} \cdot \ln\left(y + \varepsilon\right)}$
- cosine_proximity: $u = -\sum \left\|y_{elvárt}\right\|_2 \cdot \left\|y\right\|_2$

[3] Ez természetesen csak a felügyelt tanulás esetére vonatkozik, amiről ebben a dolgozatban is szó van.

A költségfüggvények mindegyike konvex, vagyis létezik minimuma, amit (mint egy völgy legmélyebb pontját) elérni igyekszünk a neuron súlyainak változtatása által.

A neuronok súlyainak állítása a hibavisszaterjesztés módszerével történik: kiszámítjuk a költségfüggvény gradiensét (az egyes súlyok szerinti parciális deriváltjait), majd a gradiens egyes tagjainak valamilyen függvényével módosítjuk az adott súly értékét[4] – ezek a függvények az optimalizálók.

Az optimalizálóknak három fő csoportja létezik [3]:

- batch optimalizálók (determinisztikus, vagy off-line módszerek) – a tanítóadat-címke párok egészére hajtják végre a paraméterek frissítését;
- stochasztikus optimalizálók (on-line módszerek) – minden tanítóadat-címke pár után végrehajtják a paraméterek frissítését;
- a két szélsőség közé eső (minibatch) módszerek, amelyek a tanító adatok valamely kisebb-nagyobb halmazára hajtják végre a frissítést.

A Keras könyvtár optimalizálói:

- SGD (Stochastic Gradient Descent): on-line/minibatch módszer, $w_{k+1} = w_k + \eta \nabla_w \frac{1}{n} \sum_{i=1}^{n} u\left(f\left(x_i, w\right), y_i\right)$, ahol w_k a súlyok vektora az aktuális időpillanatban, x_i és y_i a tanítóadat-elvárt kimenet párok az adott batchben, η pedig a bátorsági tényező (vagy tanulási arány, az optimalizáló hangolható paramétere), segítségével befolyásolható az algoritmus konvergenciája, illetve annak sebessége (kis érték esetén a konvergencia lassú, de stabil, nagy értéke esetén pedig lehet gyors, de nem feltétlenül stabil);
- Adagrad (adaptív gradiens) módszer [7]: hasonlít az SGD-re, de a bátorsági tényezőt folyamatosan csökkenti (a korábbi gradiensek négyzetösszegének gyökével osztja), így biztosítva, hogy a hiba értéke kezdetben gyorsan csökkenjen, később pedig ne oszcilláljon;
- RMSprop, Adadelta [6]: az Adagrad továbbfejlesztései, a korábbi gradiensek négyzetének összegzését exponenciálisan súlyozott mozgóátlaggal váltják fel (a nagyon régi értékeket az optimalizáló „elfelejti”), ez az ellen védi az algoritmust, hogy a költségfüggvény „laposabb” részein túl lassan konvergáljon;
- Adam (adaptív momentum) [8]: az RMSprop momentummal történő kiegészítése; a momentum olyan mennyiség, ami az eddig (valamilyen exponenciális súlyozással) összegzett

[4] Szemléletesen a hibavisszaterjesztés azt jelenti, hogy meghatározzuk, az egyes súlyok milyen mértékben járulnak a kimenet hibájához, majd ennek megfelelően állítunk rajtuk.

negatív gradiensek irányába mutat (ahogy a newtoni mechanika momentuma a mozgó testek esetében), ez szintén a tanulási sebesség növelését segíti elő (főként kis, vagy zajos gradiensek esetén);

- Adamax [8]: az Adam továbbfejlesztett verziója, de a gradiens korábbi értékeit nem L^2 norma szerint összegzi, hanem végtelen norma szerint (a korábbi négyzetösszeg-képzés helyett a gradiens abszolút értékét veszi figyelembe exponenciális súlyozással);
- Nadam: az Adam Nesterov-momentummal történő kiegészítése; a Nesterov-momentum abban különbözik az egyszerű momentumtól, hogy a momentum képletében a gradiens pillanatnyi értékét a paraméterek előző pillanatbeli momentumával eltolt pontban számolja, így mintegy „jósolni" képes (a momentum értékének kiszámítása a gradiens tényleges kiszámítása előtt történik), a „mozgó testet" lelassítani, még mielőtt az újból egy „emelkedőhöz" érne.

3.3.2. Konvolúciós hálók

A neurális hálókat több területen, így a képfeldolgozás területén is sikerrel alkalmazzák. Előnyként jelentkezik például a jelfeldolgozás során, hogy a priori ismeretekre, pl. a bemenet bonyolult előfeldolgozására, lényeges jellemzők a nyers adatból „kézzel" történő kinyerésére nincs szükség, mert a hálók képesek megtanulni azokat [14] [15].

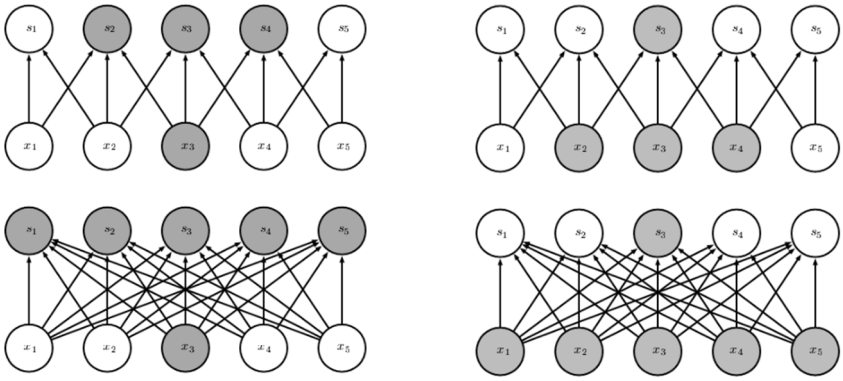
Azonban az általános neurális hálók rétegeinek bemenetein megjelenik az őket megelőző réteg összes kimenete, amelyekhez megfelelő súlyokat kell találni – sok neuront tartalmazó hálók esetén ez hátrányos lehet.

E probléma megoldására (vagy legalábbis enyhítésére) alkalmazzák a konvolúciós hálókat, amelyek a bemeneteken kapott adatok jellemzőinek lokális voltát használják ki: az esetek nagy részében elegendő, ha a szomszédos neuronok között van kapcsolat, viszont a számításokat nagymértékben leegyszerűsíti. A konvolúciós hálók működése nagymértékben hasonlít az elsődleges látókéregére (pontosabban az inspirációt létrehozásukra neurológiai vizsgálatok jelentették).

A konvolúciós hálók széleskörűen alkalmazottak képfeldolgozási célokra, olyan bonyolult mintázatok keresésére [9], felismerésére a bemenetben, mint akár az emberi arc, vagy olyan objektumok, amelyek többféle formát is felvehetnek (pl. azonos állatfajhoz tartozó különféle fajták, vagy formatervezett bútorok). Jó példa ilyen hálókra a Google képkeresője.

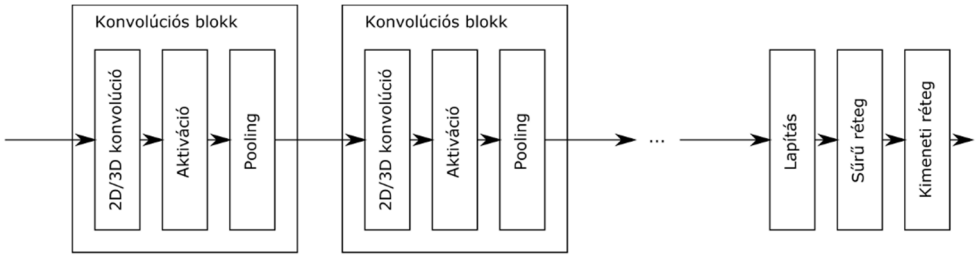
Joggal feltételezhetjük tehát, hogy a neurális hálók alkalmasak lehetnek neurális aktivitások detektálására (akár EEG jelből [12]) és osztályozására [11], mivel ez a feladat is visszavezethető mintaillesztésre.

A konvolúciós és a sűrű rétegek közötti különbséget (egy bemenet hatása a kimenetekre, egy kimenetre hány bemenet van hatással) a 7. ábra szemlélteti (felül a konvolúciós, alul a sűrű réteg látható).



7. ÁBRA: KONVOLÚCIÓS ÉS SŰRŰ RÉTEG ÖSSZEHASONLÍTÁSA [3]

Az általunk alkalmazott konvolúciós háló szerkezetét a 8. ábra mutatja. Az egyes rétegek rövid leírása olvasható az alábbiakban.

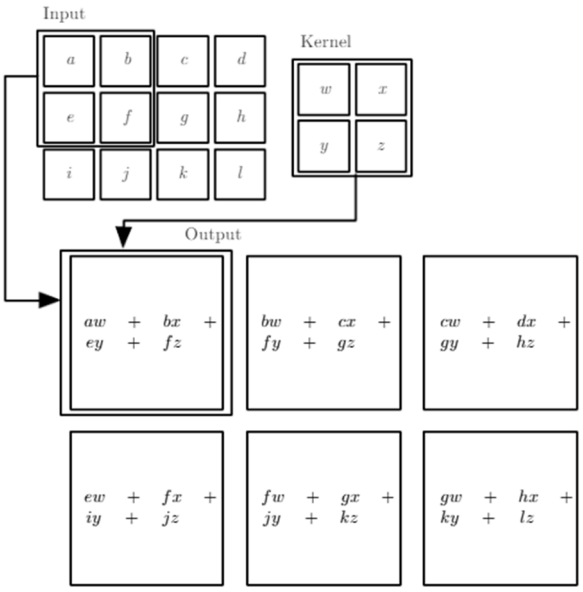


8. ÁBRA: KONVOLÚCIÓS HÁLÓ RÉTEGSTRUKTÚRÁJA

3.3.2.1. Konvolúciós réteg

Azt, hogy adott rétegbeli neuron az előző rétegnek hány kimenetét használja fel, a kernelmérettel definiáljuk.

A kernel lényegében egy súlyozó mátrix, vagy szűrő, ami a bemenet minden pontjára kiszámítja a „közvetlenül felette levő” neuron és annak valahány szomszédja lineáris kombinációját. Ez az érték kerül a réteg aktivációs függvényének bemenetére. A konvolúció műveletét szemlélteti a 9. ábra.



9. ÁBRA: KONVOLÚCIÓ 2D ADATOKON [3]

Egy adott konvolúciós réteghez több szűrő is tartozhat, amelyek a réteg bemenetének különböző jellemzőinek megtanulására lehetnek alkalmasak; ezek számát nevezzük a konvolúciós réteg mélységének.

3.3.2.2. Pooling, stride

A pooling és a stride mechanizmusok a háló egyszerűsítéséhez járulnak.

A pooling a konvolúciós réteg kimenetének speciális alulmintavételezése (kis környezetben található maximum- vagy átlagszámítás a kimenet). A pooling a bemenet kismértékű eltolásaira is érzéketlenné teszi a hálót.

A stride a konvolúciós réteg bemenetének alulmintavételezése (a konvolúció végrehajtásakor mekkorákat „ugrik” a szűrő – pl. kétdimenziós konvolúció esetén a (2, 3)-as stride azt jelenti, hogy a kép egyik irányában minden második, a másik irányban minden harmadik pozícióba eső képpontra számoljuk ki a konvolúciót). A stride abból a szempontból hatékonyabb az egyszerű alulmintavételezésnél, hogy az amúgy eldobott értékeket nem szükséges a hálónak kiszámítania.

3.3.2.3. Sűrű réteg

A konvolúciós hálók kimeneti rétege (előfordul, hogy az utolsó előtti is) sűrű, vagyis minden neuronja kapcsolatban áll bemeneteivel; ez a réteg végzi a tulajdonképpeni detektálást/osztályozást. Többdimenziós konvolúciós rétegek előtt egy lapító réteg előzi meg.

4. MÉRÉSEK ÉS EREDMÉNYEK

4.1. Alkalmazott eszközök

A konvolúciós hálókat tanító/tesztelő scripteket Python nyelven implementáltuk JetBrains PyCharm fejlesztőkörnyezetet használva. Az összetettebb matematikai műveletek végrehajtásához a NumPy függvénykönyvtárat alkalmaztuk, a neurális hálók és a hozzájuk kapcsolódó műveleteket (optimalizáció, költségfüggvények, stb.) pedig a Keras függvénykönyvtár szolgáltatta.

Az osztályozást végző programokat egy Lenovo ThinkPad X230 Tableten írtuk meg és futtattuk. Miután a laptop az alaplapra integrált, relatíve egyszerű videokártyával rendelkezik, az algoritmusok a CPU-n futottak. A laptop CPU-ja Intel i5-3320M, órajel-frekvenciája 2,60 GHz. A rendelkezésre álló RAM 3,69 GB. A gépen 64 bites Windows 7 fut.

A detektálást végző programok implementálásához/futtatásához egy NVIDIA GeForce GTX1050 videokártyával, Intel i7-4770 (3,40 GHz órajel-frekvenciájú) processzorral, 16 GB RAM-mal és 64 bites Windows 7 operációs rendszerrel rendelkező asztali PC-t alkalmaztunk.

4.2. Aktivitások osztályozása adatkeretek alapján

Feladatunk az egyes neuronokhoz tartozó aktivitások osztályozása volt, mindehhez negatív mintákat ezúttal nem használtunk fel. A használt regisztrátumokban 23–46 klaszter aktivitásai szerepeltek, ez néhány százezernyi aktivitást jelent felvételenként.

4.2.1. Adatok előfeldolgozása

Az egyes aktivitások maximumaihoz tartozó kereteket időrendi sorrendben betöltöttük a memóriából, majd -1 és 1 közé normáltuk azokat az alábbi módon:

$$x' = mx + b,$$

ahol

$$m = \frac{1}{\frac{1}{2}\left(\left|\max x\right| + \left|\min x\right|\right)},$$

$$b = \frac{\max x + \min x}{2}.$$

Az adatokat ezután szétválasztottuk tanító- és tesztadatokra megadott arányban, tanító adatok gyanánt a legkésőbbi adatokat használtuk fel.

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.7789613604545593	0.12098155170679092	0.6322997808456421	0.5613467693328857	0.7812440395355225	0.793418288230896	0.7772493958473206
mean_absolute_error	0.6688225269317627	0.11869888007640839	0.4493056833744049	0.12497622519731522	0.5592543482780457	0.5546889901161194	0.6022446155548096
mean_absolute_percentage_error	0.5948259234428406	0.12516644597053528	0.3422103822231293	0.6011033058166504	0.5881681442260742	0.5893095135688782	0.6703442931175232
mean_squared_logarithmic_error	0.7721133828163147	0.13619935512542725	0.6770020723342896	0.3355526030063629	0.7957009673118591	0.7801027297973633	0.775537371635437
squared_hinge	0.769260048866272	0.13125357031822205	0.5773254632949829	0.39813581109046936	0.7310252785682678	0.7268403768539429	0.7422484159469604
hinge	0.6640669703483582	0.1230739951133728	0.38482025265693665	0.24386532604694366	0.4616701602935791	0.5470800995826721	0.6572189331054688
categorical_hinge	0.7757276296615601	0.15997716784477234	0.7133346199989319	0.7740156054496765	0.7791516184806824	0.7789613604545593	0.7873311638832092
logcosh	0.7759178280830383	0.08921437710523605	0.6574091911315918	0.21609282493591309	0.7880920767784119	0.7534715533256531	0.7854289412498474
categorical_crossentropy	0.7783907055854797	0.6159406304359436	0.6621647477149963	0.7873311638832092	0.768118679523468	0.776678740978241	0.8006467819213867
kullback_leibler_divergence	0.8078752160072327	0.6014837622642517	0.6621647477149963	0.7751569151878357	0.7633631229400635	0.775537371635437	0.7932280898094177
poisson	0.7951303124427795	0.12840022146701813	0.6614038348197937	0.7487159967422485	0.7827658653259277	0.7738253474235535	0.7884725332260132
cosine_proximity	0.8004565238952637	0.2451968789100647	0.6718660593032837	0.7780102491378784	0.7637435793876648	0.7833365201950073	0.7888529300689697

1. TÁBLÁZAT: EGYRÉTEGŰ, 32 SZŰRŐT TARTALMAZÓ HÁLÓ EREDMÉNYEI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.8057827949523926	0.12364466488361359	0.7359710931777954	0.5797983407974243	0.7985543012619019	0.7939889430999756	0.7783907055854797
mean_absolute_error	0.7000190019607544	0.12497622519731522	0.49495911598205566	0.24538710713386536	0.44664257764816284	0.5611565709114075	0.6307780146598816
mean_absolute_percentage_error	0.6507513523101807	0.03500095009803772	0.28932851552963257	0.6267833113670349	0.5891192555427551	0.6452349424362183	0.6830891966819763
mean_squared_logarithmic_error	0.7677382826805115	0.1285904496908188	0.7392048835754395	0.3465855121612549	0.7856191992759705	0.797793447971344	0.7953205108642578
squared_hinge	0.7702111601829529	0.12231310456991196	0.5465094447135925	0.41202205419540405	0.7542324662208557	0.7203728556632996	0.743960440158844
hinge	0.6186037659645081	0.133536234498024	0.4814532995223999	0.24291421473026276	0.6092828512191772	0.5716187953948975	0.6089023947715759
categorical_hinge	0.7595586776733398	0.21932661533355713	0.7536618113517761	0.7983641028404236	0.7743960618972778	0.7960814237594604	0.787140965461731
logcosh	0.7922769784927368	0.12402510643005371	0.7388244271278381	0.23492486774921417	0.7825756072998047	0.7987445592880249	0.7846680879592896
categorical_crossentropy	0.8025490045547485	0.61213618516922	0.7199923992156982	0.7761080265045166	0.7783907055854797	0.7780102491378784	0.7972227334976196
kullback_leibler_divergence	0.7605097889900208	0.6157504320144653	0.7243674993515015	0.8074947595596313	0.7671675682067871	0.7842876315116882	0.7789613604545593
poisson	0.7721133828163147	0.13315579295158386	0.7152368426322937	0.7515693306922913	0.7833365201950073	0.7899942994117737	0.7888529300689697
cosine_proximity	0.7953205108642578	0.2606049180030823	0.7382537722587585	0.769260048866272	0.7757276296615601	0.7899942994117737	0.7884725332260132

2. TÁBLÁZAT: EGYRÉTEGŰ, 64 SZŰRŐT TARTALMAZÓ HÁLÓ EREDMÉNYEI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.785999596118927	0.12440555542707443	0.630207359790802	0.6050979495048523	0.7806733846664429	0.7574662566184998	0.7846680879592896
mean_absolute_error	0.5293893814086914	0.12497622519731522	0.2630777955055237	0.2451968789100647	0.5263458490371704	0.42876166105270386	0.12231310456991196
mean_absolute_percentage_error	0.5493627786636353	0.0983450636267662	0.30169299244880676	0.5031386613845825	0.4903937578201294	0.47974130511283875	0.46281149983406067
mean_squared_logarithmic_error	0.7747764587402344	0.11356286704540253	0.6587406992912292	0.3330796957015991	0.7732546925544739	0.7761080265045166	0.7907552123069763
squared_hinge	0.7814342975616455	0.12497622519731522	0.5484116673469543	0.44759368896484375	0.7133346199989319	0.690127432346344	0.7656458020210266
hinge	0.46433326601982117	0.1171770989894867	0.3924291431903839	0.12231310456991196	0.5592543482780457	0.4413163363933563	0.12497622519731522
categorical_hinge	0.7584173679351807	0.12878067791461945	0.5790374875068665	0.7605097889900208	0.7730644941329956	0.7715427279472351	0.7587977647781372
logcosh	0.7740156054496765	0.12478599697351456	0.6431424617767334	0.15731406211853027	0.7460528612136841	0.7709720134735107	0.7753471732139587
categorical_crossentropy	0.7806733846664429	0.6448544859886169	0.66596919298172	0.782956063747406	0.765075147151947	0.7553737759590149	0.7858093976974487
kullback_leibler_divergence	0.7768689393997192	0.6248810887336731	0.6279246807098389	0.7726840376853943	0.7734449505805969	0.7686893939971924	0.7958911657333374
poisson	0.7586075663566589	0.13524824380874634	0.625832200050354	0.7808635830879211	0.7820049524307251	0.7557542324066162	0.7774395942687988
cosine_proximity	0.7957009673118591	0.21590261161327362	0.6634963154792786	0.7521399855613708	0.7679284811019897	0.7858093976974487	0.7863800525665283

3. TÁBLÁZAT KÉTRÉTEGŰ, 16 SZŰRŐT TARTALMAZÓ HÁLÓ EREDMÉNYEI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.769260048866272	0.1221228837966919	0.7268403768539429	0.6005326509475708	0.7844778299331665	0.7839071750640869	0.7960814237594604
mean_absolute_error	0.6808065176010132	0.12497622519731522	0.3119649887084961	0.12497622519731522	0.5828419327735901	0.12231310456991196	0.12231310456991196
mean_absolute_percentage_error	0.5303404927253723	0.021495148539543152	0.42590832710266113	0.6496100425720215	0.6011033058166504	0.3711242079734802	0.6473273634910583
mean_squared_logarithmic_error	0.7962716221809387	0.12497622519731522	0.7298839688301086	0.3836789131164551	0.7960814237594604	0.7827658653259277	0.7924671769142151
squared_hinge	0.7331177592277527	0.12231310456991196	0.5518356561660767	0.4390336573123932	0.7683089375495911	0.7568955421447754	0.79665207862854
hinge	0.4715617299079895	0.11698687821626663	0.4858284294605255	0.24500665068626404	0.12497622519731522	0.5680045485496521	0.6041468381881714
categorical_hinge	0.7821951508522034	0.16397184133529663	0.7274110913276672	0.7814342975616455	0.7928476333618164	0.7559444308280945	0.7559444308280945
logcosh	0.7875214219093323	0.1196499913930893	0.733307957649231	0.19630968570709229	0.7842876315116882	0.7837169766426086	0.7702111601829529
categorical_crossentropy	0.7757276296615601	0.6505611538887024	0.7047745585441589	0.8055925369262695	0.7922769784927368	0.7869507074356079	0.7726840376853943
kullback_leibler_divergence	0.7707818150520325	0.6509416103363037	0.7239870429039001	0.787140965461731	0.7835267186164856	0.7827658653259277	0.7896138429641724
poisson	0.7991249561309814	0.13715046644210815	0.7127639055252075	0.8015978932380676	0.7882822751998901	0.769260048866272	0.7863800525665283
cosine_proximity	0.8173863291740417	0.21095682680606842	0.733307957649231	0.7846680879592896	0.7743960618972778	0.7842876315116882	0.8052120804786682

4. TÁBLÁZAT: KÉTRÉTEGŰ, 32 SZŰRŐT TARTALMAZÓ HÁLÓ EREDMÉNYEI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

Ténylegesen aktív neuron \ Háló által jelzett neuron	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	417	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	131	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0
3	0	0	63	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	73	0	0	0
5	2	0	0	0	207	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0
6	0	0	0	2	0	102	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	8	1
7	2	0	0	0	2	0	517	2	129	1	0	0	0	0	0	2	1	0	0	0	0	0	1
8	2	0	0	0	1	0	0	333	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
9	1	0	0	0	0	0	129	1	335	0	0	1	6	0	0	1	0	0	0	0	0	0	0
10	0	0	1	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	2
11	0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
12	110	0	0	0	1	0	2	1	0	0	0	192	0	0	0	0	0	0	0	0	0	0	0
13	8	1	0	2	2	0	10	1	31	0	2	2	154	0	20	17	1	21	9	1	1	3	5
14	1	0	0	0	0	0	1	0	0	2	3	0	0	58	1	1	0	4	0	0	0	0	0
15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0
16	8	0	0	0	5	0	2	3	1	0	0	0	0	0	1	617	1	4	1	0	0	0	0
17	0	0	0	1	0	0	1	0	2	0	0	0	0	0	4	3	171	0	0	0	101	0	0
18	5	0	0	0	7	0	0	1	1	1	0	0	0	0	0	0	0	185	0	0	0	0	1
19	2	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	3	101	0	0	2	1
20	0	0	0	14	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	61	0	0	0
21	3	9	0	0	1	0	0	2	0	1	2	0	2	4	15	2	1	2	0	1	278	0	0
22	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	20	0
23	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	20

5. TÁBLÁZAT: 4. TÁBLÁZAT RMSPROP/COSINE_PROXIMITY EREDMÉNYÉHEZ TARTOZÓ KONFÚZIÓS MÁTRIX

4.2.2. A használt hálók kiválasztása

Célunk olyan háló kiválasztása volt, ami relatíve gyorsan, relatíve pontosan osztályoz; ennek eléréséhez a háló alábbi paramétereit hangoltuk:

- rétegszám
- rétegenkénti szűrőszám
- stride
- pooling
- kernelméret
- optimalizáló függvény
- költségfüggvény

A konvolúciós és sűrű rétegek aktivációs függvényeként lineáris, a kimeneti sűrű réteg aktivációs függvényeként pedig softmax függvényt használtunk.

A feladatot megvalósító Python kódot az olvasó a Melléklet A 1.1. pontjában találja.

Kiindulás gyanánt az alábbi kernelméret, stride és pooling mellett kerestük az optimális rétegszámot, rétegenkénti szűrőszámot, optimalizálót és költségfüggvényt:

Kernelméret	(4, 4)
Stride	(2, 2)
Pooling	(2, 2)

A lehetséges rétegszám-szűrőszám kombinációk körét az alábbira szűkítettük le:

Rétegszám	**Rétegenkénti szűrőszám**
1	32
1	64
2	16
2	32

Az adatok első 95 %-át használtuk tanításra, utolsó 5 %-át tesztelésre. Minden mérésnél 30 tanítási ciklussal dolgoztunk.

Az egyes hálókra kapott eredményeket az 1–4. táblázat tartalmazza (az értékek 0 és 1 közötti számok lehetnek). Az egyes táblázatok sorai a 3.3.1.2 szakaszban már ismertetett költségfüggvényeknek, oszlopai pedig az ugyanitt tárgyalt optimalizálóknak feleltethetők meg; az egyes cellák az adott függvények együtt alkalmazásából adódnak. A színkódok értelmezése:

	$x < 0.5$
	$0.5 \leq x < 0.6$
	$0.6 \leq x < 0.7$
	$0.7 \leq x < 0.8$
	$0.8 \leq x$

Látható, hogy az SGD optimalizáló és a mean_absolute_error, a mean_absolute_percentage_error és a hinge költségfüggvények nem használhatók erre a feladatra: az esetek nagy részében az őket alkalmazó hálók nem, vagy jóval kisebb mértékben tanultak más optimalizálókat/költségeket használó hálóknál. Az Adagrad optimalizáló hatásfoka szintén elmarad a többitől, de a háló komplexitásának növekedésével javuló tendenciát mutatott: azokkal a költségfüggvényekkel együtt alkalmazva, amikkel megvalósult a tanulás, egyrétegű és 32 szűrős, valamint kétrétegű és 16 szűrős hálókkal az eredmények nagy része a 60–70 %-os, egyrétegű és 64 szűrős továbbá kétrétegű és 32 szűrős hálókkal a 70–80 %-os hatékonysági tartományba esett.

A táblázatokban szereplő értékek természetesen csak durva becslést jelentenek az egyes hálók jóságára; sokkal pontosabb képet kaphatunk hatásfokukról a konfúziós mátrixok vizsgálatával. Azonban az adathalmaz, amin a betanítás a tesztelés kezdeti fázisában zajlott, bár a legkevesebb féle aktivitást szolgáltatta (23 szeparált neuronnal), így is nagyméretű, nehezen olvasható konfúziós mátrixokat eredményezett. Az érdeklődő olvasó a tesztek során készített mátrixokat a Melléklet B dokumentumban találja, a fenti négy táblázat adataihoz tartozókat az 1.1. szakaszban.

Példaként egy mátrixot (az első négy táblázat legjobb értékéhez – 0.8173863291740417 – tartozót – 4. táblázat, RMSprop/cosine_proximity) itt is mutatunk (5. táblázat). Sorai azt jelölik, az egyes neuronokhoz hány aktivitás tartozik, oszlopai pedig azt, hogy az adott aktivitást mely neuron aktivitásaként azonosította a háló (a Melléklet mátrixainak értelmezése megegyezik jelen táblázatban szereplővel, viszont a fejlécek hiányoznak). Tökéletes identifikáció esetén csak a mátrix főátlójában szerepelnének elemek. Elégtelen tanulás esetén az értékek teljesen szétszóródnak, vagy csak néhány oszlopra koncentrálódnak.

Az eredmények alapján így kiszűrhettük azokat az optimalizálókat illetve költségfüggvényeket, amelyek a feladat megoldása során nem alkalmazhatók, a többieket a következő utáni lépésben felhasználtuk. Emellett úgy találtuk, hogy a bonyolultabb hálók alkalmazása „nem éri meg”: tanításuk a legegyszerűbb változatnál jóval több időt vett igénybe, viszont nem szolgáltatott annál lényegesen jobb eredményt (az Adagrad optimalizáló esetét kivéve), így a következő lépéseknél már csak az egyrétegű, 32 szűrős hálót használtuk.

Ezt követően a közepesen jó RMSprop/mean_squared_error párosítást használva a háló paramétereit kezdtük el hangolni. Tapasztalataink alapján a stride és a pooling növelése az eredmények romlásával járt együtt, így értéküket (1, 1)-re választottuk.

Az általunk kipróbált lehetséges kernelekre kapott eredményeket a 6. táblázat listázza.

Kernel	Találati arány
(1, 1)	74 %
(2, 2)	78 %
(4, 4)	77 %
(2, 1)	78 %
(4, 2)	81 %
(8, 4)	76 %
(4, 1)	75 %
(8, 2)	79 %
(16, 4)	78 %
(8, 1)	77 %
(16, 2)	81 %
(32, 4)	78 %
(16, 1)	77 %
(32, 2)	78 %
(32, 1)	79 %
(1, 2)	78 %
(2, 4)	77 %
(1, 4)	73 %

6. TÁBLÁZAT: TALÁLATI ARÁNY A KERNELMÉRET FÜGGVÉNYÉBEN

Ezután a két legjobb találati arányt eredményező kernelt használva végigmentünk a két lépéssel ezelőtt kiválasztott optimalizálók és költségfüggvények összes párosításán. Tanító adatként ezúttal az adatok első 50 %-át használtuk, tesztadatként a másik felét. A kapott eredményeket a 7. táblázat és a 8. táblázat tartalmazza. A Melléklet B 1.2. szakaszában találhatók az értékekhez tartozó konfúziós mátrixok.

A színkódok értelmezése:

	$0.5 \leq x < 0.6$
	$0.6 \leq x < 0.7$
	$0.7 \leq x < 0.8$
	$0.8 \leq x < 0.85$
	$0.85 \leq x$

Az eredmények láthatóan javultak az előző, találomra kiválasztott kernel használatával kapottakhoz képest: 80 % alatti találati arányt csupán 10 esetben kaptunk (ez nem éri el az összes eset 10 %-át), további 11 esetben a találati arány meghaladta a 85 %-ot is.

A 85 % feletti eredményeket szolgáltató kombinációkat választottuk ki a további használatra. Ezek adatai a 9. táblázatban láthatók.

4.2.3. Az egyes felvételekre kapott eredmények

Az előzőekben kiválasztott hálóknak megtanítottuk az egyes felvételekben szereplő aktivitásokat, a tanító- és tesztadatokat az előbbinek megfelelően osztottuk fel (fele-fele arányban), 30 tanítási ciklust alkalmaztunk.

A feladatot megvalósító kód a Melléklet A 1.2. pontjában található.

A hálók eredményeit az egyes felvételekre a 10. táblázat tartalmazza. A táblázat egyes mezőihez tartozó konfúziós mátrixok a Melléklet B 1.3. szakaszában találhatók.[5]

Mint az megfigyelhető, egy felvétel kivételével az osztályozás hatékonysága (legalább egy hálóra) 80 % feletti volt, 21 esetben pedig a 85 %-ot is meghaladta; a 2017_05_19__0_002 felvétel esetén minden érték 85 % fölé esett. A legjobb találati arány (0.8877900393154117) is ehhez a felvételhez kapcsolódik (4. háló: Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error), a hozzá tartozó konfúziós mátrix a 11. táblázatban látható.

A 2016_10_19__0_002 felvétel kiértékelésekor a találati arány 71,6 és 78,5 közé esett, továbbá négy esetben előfordult, hogy az osztályozást végző háló egyszerűen nem tanult (minden mintát egy neuron aktivitásának vett). Hasonló, bár valamivel jobb eredményeket produkáltak a hálók a 2017_04_05__0_002 felvétel esetén is: ténylegesen tanuló hálók esetén az eredmények 78,95 és 84,6 % közé estek.

Ennek oka nem tudjuk, mi lehet, mivel a felvétel sem a benne előforduló neuronok számát, sem minőségét tekintve nem tér el lényegesen a többitől. Figyelemre méltó a tény, hogy a négy nem tanuló háló mindkét esetben egyezett, viszont eredményeik nem: mindannyian egy adott neuron aktivitásaiként azonosították a felvételben szereplőket, viszont ez a neuron mindkét felvétel esetén minden háló esetén különbözött.

[5] A felvételek címe a 10. táblázatban rövidített formában látható. A teljes címformátum: ARat_éééé_hh_nn__0_002.dat (a Mellékletben is így szerepel)

	RMSprop	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.8528566956520081	0.831015408039093	0.8040752410888672	0.8307490348815918	0.8170887231826782	0.8394056558609009
mean_squared_logarithmic_error	0.850307285785675	0.8434580564498901	0.7525922060012817	0.8285801410675049	0.8166701793670654	0.8321568965911865
squared_hinge	0.8471871018409729	0.6779931783676147	0.5960693359375	0.8262209892272949	0.821921169757843	0.8300641179084778
categorical_hinge	0.838663637638092	0.8328037858009338	0.827590823173523	0.8444473743438721	0.8310534358024597	0.7959133386611938
logcosh	0.821369469165802	0.8372176885604858	0.6360229253768921	0.8265634179115295	0.8493369817733765	0.8167272210121155
categorical_crossentropy	0.8487091064453125	0.833564817905426	0.842525839805603	0.8072335124015808	0.8213884830474854	0.8356766700744629
kullback_leibler_divergence	0.8395197987556458	0.8388729095458984	0.8215407133102417	0.8395769000053406	0.8349917531013489	0.8426399827003479
poisson	0.8341926336288452	0.8402047157287598	0.8351058959960938	0.8254789710044861	0.8359810709953308	0.8035425543785095
cosine_proximity	0.8335838317871094	0.8445234894752502	0.8090789914131165	0.8402618169784546	0.8528566956520081	0.8152052164077759

7. TÁBLÁZAT: (4, 2) SZŰRŐT ALKALMAZÓ HÁLÓ TALÁLATI ARÁNYAI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

	RMSprop	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.82745760679245	0.8159091472625732	0.8122943043708801	0.8392344117164612	0.8378835916519165	0.8190483450889587
mean_squared_logarithmic_error	0.8635299801826477	0.8396149277687073	0.7407393455505371	0.8330511450767517	0.8404901027679443	0.85957270860672
squared_hinge	0.8423736095428467	0.6327505111694336	0.6795342564582825	0.7887406945228577	0.833374559879303	0.8417838215827942
categorical_hinge	0.8079564571380615	0.8226822018623352	0.820189893245697	0.8603527545928955	0.8487091064453125	0.8536557555198669
logcosh	0.8279522657394409	0.8269439339637756	0.7073876261711121	0.8003462553024292	0.8244325518608093	0.8599532246589661
categorical_crossentropy	0.8510112166404724	0.8327657580375671	0.809231162071228	0.8402808308601379	0.8462167978286743	0.8187249302864075
kullback_leibler_divergence	0.8278191089630127	0.8337931036949158	0.8374269604682922	0.8442952036857605	0.8435912728309631	0.8146534562110901
poisson	0.838606595993042	0.8321188688278198	0.8228344321250916	0.8340023756027222	0.8395578265190125	0.8352200388908386
cosine_proximity	0.8150910139083862	0.8371606469154358	0.8633968234062195	0.8447327613830566	0.8503643274307251	0.8106580972671509

8. TÁBLÁZAT: (16, 2) SZŰRŐT ALKALMAZÓ HÁLÓ TALÁLATI ARÁNYAI A KÖLTSÉGFÜGGVÉNYEK ÉS OPTIMALIZÁLÓK FÜGGVÉNYÉBEN

Háló száma	Kernel	Optimalizáló	Költségfüggvény
1	(4, 2)	RMSprop	mean_squared_error
2	(4, 2)	RMSprop	mean_squared_logarithmic_error
3	(4, 2)	Adamax	cosine_proximity
4	(16, 2)	RMSprop	mean_squared_logarithmic_error
5	(16, 2)	RMSprop	categorical_crossentropy
6	(16, 2)	Adadelta	cosine_proximity
7	(16, 2)	Adam	categorical_hinge
8	(16, 2)	Adamax	cosine_proximity
9	(16, 2)	Nadam	mean_squared_logarithmic_error
10	(16, 2)	Nadam	categorical_hinge
11	(16, 2)	Nadam	logcosh

9. TÁBLÁZAT: A LEGJOBBNAK ÍTÉLT KÖLTSÉGFÜGGVÉNYEK

Háló	2016_10_12__0_002	2016_07_18__0_002	2016_10_19__0_002	2017_06_01__0_002	2016_07_27__0_002	2016_07_20__0_002	2017_05_19__0_002	2017_05_31__0_002	2017_04_05__0_002
1	0.8235003352165222	0.8400025613091918	0.7280001236984038	0.8265060680131179	0.8331145696189355	0.836475032567978	0.8779642621133706	0.8041868507862091	0.8459375198870561
2	0.8371606469154358	0.8383100105515909	0.7452219230481948	0.8414617049853834	0.8503144917708609	0.8502910196781158	0.8776392536789271	0.8251784443855286	0.8245160624434852
3	0.8356385827064514	0.8412027946401078	0.785184022909449	0.8486597264645906	0.8409427447207773	0.8484274506568908	0.8806746386245746	0.8180410265922546	0.8462410004246435
4	0.8366659879684448	0.8392684427307852	0.7172988114204499	0.8438330805142561	0.8275387780181769	0.8341978967189789	0.8877900393154117	0.8171871066093445	0.8447892980291942
5	0.8439527153968811	0.8411503598799481	0.7161536565669206	0.8466940859034617	0.8381548427006932	0.8442918419837951	0.8532982807942834	0.8544417560100556	0.7968325621474588
6	0.8501930832862854	0.8190481012026674	0.7505330914998366	0.830626215589257	0.8192433261659039	0.8040794491767883	0.8718412970405099	0.8291358649730682	0.7895436960459148
7	0.8423165678977966	0.8386974551296477	0.022572460704122832	0.8173214119190287	0.8208184067643033	0.846635353565216	0.8764146785455409	0.8242544054985046	0.07619158275358089
8	0.8500979542732239	0.8359707236886949	0.7468063895990876	0.8445605567814557	0.8341803820653844	0.8600735247135163	0.882880062367491	0.8254460871219635	0.8441216136787667
9	0.8233861327171326	0.8294073447241475	0.01847555726430304	0.8511500020239835	0.854220705353276	0.8549525320529938	0.8809822367443723	0.8311942458152771	0.01269101065304614
10	0.8131694793701172	0.8226982991780099	0.0040722240077607046	0.8147262150817888	0.8023426828790797	0.8177882134914398	0.8690555096080806	0.8210489451885223	0.0063176847178528185
11	0.8379406929016113	0.8425486802308857	0.0049903254041638295	0.8313117393359536	0.8347369112473297	0.8517001867294312	0.8753235685835172	0.8276382863521576	0.05896337650714157

10. TÁBLÁZAT: A HASZNÁLT HÁLÓK TALÁLATI ARÁNYAI AZ EGYES FELVÉTELEKRE

Ténylegesen aktív neuron \ Háló által jelzett neuron	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1	45	7	39	2	16	42	8	4	5	0	10	8	15	0	0	9	2	0	0	1	29	6	3	0	4	4	10	14	21	5	22	2	134	20	26	6
2	45	13464	37	8	45	39	23	2	26	54	36	10	38	9	0	5	16	1	1	3	65	15	15	2	0	9	18	31	39	12	35	1	169	80	96	5
3	16	23	5439	6	9	50	14	0	4	0	15	3	27	1	1	16	13	0	2	2	38	9	6	5	3	5	20	25	16	9	32	0	210	42	23	21
4	15	12	31	2054	10	47	3	2	14	0	12	4	14	0	0	6	13	0	0	0	20	5	1	5	6	3	8	4	10	6	13	5	108	26	22	2
5	12	7	9	1	5913	19	11	1	9	0	3	97	19	1	0	12	6	0	0	0	33	10	2	4	0	2	6	16	20	4	11	2	38	26	10	3
6	9	24	22	61	7	7530	9	0	4	0	6	1	26	4	0	4	12	0	0	0	21	1	6	3	9	8	2	16	18	5	13	5	104	22	24	5
7	28	47	57	14	14	62	11525	4	18	0	12	4	43	4	0	24	6	0	5	1	45	5	7	0	17	13	7	22	33	18	41	2	207	94	63	10
8	1	1	3	0	1	5	4	1154	0	0	0	0	4	0	3	0	1	0	0	0	3	1	1	0	0	2	0	0	0	0	0	1	14	4	5	1
9	9	9	9	3	6	16	3	0	5480	0	0	7	39	3	0	1	6	0	0	1	39	5	1	0	3	0	3	8	17	4	8	16	41	13	23	1
10	18	1962	23	13	26	29	37	3	20	3372	57	19	4	0	2	0	22	4	1	0	7	51	7	1	5	2	8	30	11	5	28	15	46	47	68	1
11	76	66	230	30	28	128	83	24	17	4	7676	28	38	8	3	56	98	0	13	2	84	81	21	9	28	6	79	103	53	31	213	9	761	197	102	16
12	13	4	7	0	124	6	2	1	2	0	1	1119	3	0	0	4	9	0	2	1	12	7	2	1	3	0	3	2	8	1	6	2	20	5	2	5
13	3	0	3	1	1	2	3	1	2	0	2	0	2820	1	0	13	0	0	0	2	5	0	1	0	0	0	0	2	7	1	5	1	17	31	1	0
14	1	0	0	0	1	0	0	0	0	0	0	0	0	568	0	0	2	0	0	0	0	1	0	0	0	0	1	2	1	1	0	0	3	2	0	0
15	12	0	3	6	1	13	4	4	6	5	31	0	0	0	2102	1	9	1	0	0	0	1	0	0	5	0	0	9	4	1	255	3	21	7	8	0
16	4	10	12	7	2	5	6	1	3	0	4	4	23	1	0	840	8	0	1	0	3	8	0	0	4	1	3	4	7	1	3	0	25	64	11	0
17	22	68	57	14	32	53	58	1	19	8	32	23	31	3	4	43	7836	0	3	2	83	11	11	2	52	5	30	44	51	7	36	26	181	49	63	3
18	4	2	0	1	0	3	6	0	2	0	5	3	1	0	2	0	2	358	0	0	2	2	370	1	0	0	0	2	0	3	8	3	2	3	3	0
19	5	1	11	11	8	28	7	4	0	12	81	3	0	0	27	3	10	1	2047	0	0	4	0	0	2	0	0	3	2	1	6	1	2	13	3	2
20	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	272	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0
21	5	8	8	0	9	16	9	0	2	0	4	2	24	0	0	0	98	0	1	0	6046	0	2	0	0	4	1	2	14	2	1	57	40	3	42	3
22	5	9	6	1	3	7	3	3	1	0	2	1	0	0	0	0	4	0	0	0	4	905	3	1	3	0	3	5	3	3	3	0	20	11	4	0
23	3	2	2	0	3	9	4	0	1	0	2	4	8	0	0	1	0	3	2	1	5	2	2320	0	1	0	0	1	2	0	3	0	15	6	1	0
24	0	4	4	1	1	0	1	0	1	0	2	0	1	0	0	0	0	0	0	0	2	0	1	279	0	1	4	1	0	0	4	0	9	3	0	0
25	13	9	18	1	8	11	7	1	5	5	5	4	12	4	0	6	20	2	0	0	0	7	1	0	3361	10	3	14	11	1	15	1	70	21	9	3
26	0	0	1	0	1	0	4	0	2	0	1	0	242	0	0	49	0	0	0	0	1	1	0	0	2	88	0	1	0	0	1	2	0	4	0	1
27	1	4	3	0	0	3	0	1	0	0	0	0	4	0	0	1	0	0	0	2	6	1	0	0	0	0	682	9	3	2	4	0	28	3	0	2
28	4	37	93	6	19	19	18	3	15	3	13	18	18	1	0	21	74	0	4	0	25	8	3	2	5	1	36	4516	27	0	10	3	31	27	13	0
29	7	13	17	2	17	20	8	4	4	0	1	0	4	3	0	5	5	0	1	0	19	12	6	0	6	2	8	3	7914	3	6	2	52	17	13	1
30	6	13	8	1	0	18	2	6	6	0	3	0	9	0	0	1	4	0	0	0	12	2	6	0	1	8	4	6	7	2391	12	0	58	6	6	2
31	24	16	43	0	14	52	11	12	3	0	14	1	18	3	5	9	14	0	2	1	36	7	4	0	3	1	25	18	20	14	8178	3	237	25	25	9
32	2	4	0	0	0	8	2	0	0	0	0	0	8	0	0	0	78	0	0	0	2089	0	0	0	1	2	3	0	3	0	0	1332	9	1	20	1
33	13	15	34	1	11	41	2	3	12	0	7	1	26	1	0	4	1	1	2	4	25	1	10	0	0	4	25	8	17	1	30	1	14977	22	22	9
34	18	10	184	10	11	29	21	5	6	0	17	11	22	4	0	42	31	0	1	1	20	11	4	1	12	3	8	20	15	6	33	4	136	2613	16	4
35	13	9	9	2	11	20	2	1	2	0	5	3	11	2	0	6	7	0	0	2	19	4	2	0	3	6	5	7	10	4	8	13	77	20	9561	3
35	0	0	5	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	1	0	0	0	12	0	2	986

11. TÁBLÁZAT: A 4. HÁLÓ ÉS A 2017_05_19__0_002 FÁJL MÉRÉSI EREDMÉNYÉHEZ TARTOZÓ KONFÚZIÓS MÁTRIX

4.3. Aktivitások detektálása időszeletek alapján

4.3.1. Adatok előfeldolgozása

Ebben a kísérletben 100 keretből álló időszeletekkel tanítottuk be a hálót:

$$f_s = 2 \cdot 10^4 \ Hz \Rightarrow T_s = 5 \cdot 10^{-5} s$$
$$T_{spike} = 5 \cdot 10^{-3} s$$
$$N = \frac{T_{spike}}{T_s} = 100,$$

ahol

- f_s a mintavételi frekvencia,
- T_s a mintavételi periódusidő,
- T_{spike} a tüskék időbeni hossza,
- N az alkalmazandó adatkeretek száma egy időszeleten belül.

Kihasználva azt, hogy a tüskék tényleges hossza valamivel kisebb a választott mintaszámnál (nagyjából 20 mintával) és hogy némi bizonytalanságot vigyünk a rendszerbe (megnehezítsük az aktivitások megtanulását azáltal, hogy maximumuk nem mindig ugyanott helyezkedik el), az aktivitásokat számított kezdetükhöz képest egy 0 és 20 közötti véletlen egész számmal eltoltuk az időszeleten belül.

Ezúttal is felhasználtuk a felvételben szereplő összes aktivitást, viszont egyrészt nem különböztettük meg őket neuronok szerint, másrészt negatív adatokat vettünk mellékük a pozitív minták között harmad- és kétharmadúton. Azért használtunk lényegesen több negatív adatot, mert az aktivitások a valóságban igen ritkán jelentkeznek: még az általunk használt mennyiség is felülreprezentálja a neuronok tüzelését a nyugalmi állapothoz képest.

Az adatok első felét tanításra, a másik felét tesztelésre használtuk. Ezúttal azonban nem töltöttük be az összes adatot a memóriába, hanem először 1000 időszeletből álló csomagokon betanítottuk a hálót, majd szintén 1000 időszeletből álló csomagokon teszteltük, az egyes csomagokat közvetlenül felhasználás előtt betöltve.

4.3.2. A használt háló kiválasztása

Az alkalmazott hálót az előző módszerhez hasonlóan választottuk ki. A kiindulásképpen használt háló paraméterei az alábbiak voltak:

Rétegszám	1
Szűrőszám	1
Kernelméret	(4, 4, 4)
Stride	(4, 4, 4)
Pooling	(2, 2, 2)

Az utolsó réteget kivéve ez esetben is lineáris függvényt használtunk aktivációs függvény gyanánt, a kimeneti réteg aktivációjaként is meghagytuk a softmaxot.

A kísérletek során végig ezt a hálót használtuk, mivel relatíve egyszerű, a számítások nem túlzottan időigényesek és alkalmazásával relatíve jó eredményeket kaptunk.

A tanítást és tesztelést végző programkód a Melléklet A 2.1. pontjában található.

Betöltöttünk egy 250 pozitív és 500 negatív időszeletből álló csomagot, ennek felét tanító, másik felét tesztadatnak használtuk. A tanító adatokat normálás után 30-szor tanítottuk meg a hálónak, a lehetséges költségfüggvényeket és optimalizálókat felhasználva. Az egyes kombinációk találati arányai együtt normált adatok esetén a 12. táblázatban, külön-külön normált adatokra a 13. táblázatban láthatók. E két táblázat színkódjai a következők:

	Nem tanult
	$x < 0.7$
	$0.7 \leq x < 0.75$
	$0.75 \leq x$

Látható, hogy az adatok normálásának módja nagy hatást gyakorol az egyes költségfüggvény-optimalizáló kombinációk hatékonyságára: például a hinge és categorical_hinge költségeket használó hálók együtt normált adatok esetén többségében nem is tanultak, míg külön-külön normált időszeletek esetén a 75 **%** feletti eredmények több mint felét eredményezték.

Az egyes találati arányokhoz tartozó konfúziós mátrixok a Melléklet B 2.1. szakaszában találhatók. Példaként álljon itt a legjobb eredményhez (0.7694370150566101) tartozó mátrix (külön-külön normált adatok, Adadelta/categorical_hinge), amely a 14. táblázatban látható. A Mellékletben szereplő, fejléc nélküli mátrixok értelmezése megegyezik az alábbiéval.

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.6568364500999451	0.667560338973999	0.6595174074172974	0.7104557752609253	0.6729222536087036	0.7694370150566101	0.7050938606262207
mean_absolute_error	0.6809651255607605	0.667560338973999	0.6621983647346497	0.6729222536087036	0.667560338973999	0.667560338973999	0.667560338973999
mean_absolute_percentage_error	0.667560338973999	0.667560338973999	0.6729222536087036	0.667560338973999	0.667560338973999	0.667560338973999	0.667560338973999
mean_squared_logarithmic_error	0.6621983647346497	0.667560338973999	0.7292225360870361	0.7319034934043884	0.7345844507217407	0.6836460828781128	0.7453083395957947
squared_hinge	0.7453083395957947	0.667560338973999	0.7319034934043884	0.7399463653564453	0.7158176898956299	0.7426273226737976	0.6890080571174622
hinge	0.6729222536087036	0.667560338973999	0.667560338973999	0.667560338973999	0.667560338973999	0.6756032109260559	0.667560338973999
categorical_hinge	0.6648793816566467	0.667560338973999	0.667560338973999	0.667560338973999	0.667560338973999	0.6756032109260559	0.667560338973999
logcosh	0.7024128437042236	0.667560338973999	0.6836460828781128	0.7587131261825562	0.7131367325782776	0.7667560577392578	0.6916890144348145
categorical_crossentropy	0.7050938606262207	0.7104557752609253	0.6863270998001099	0.7104557752609253	0.697050929069519	0.6836460828781128	0.6890080571174622
binary_crossentropy	0.7453083395957947	0.6916890144348145	0.7640750408172607	0.7292225360870361	0.7184986472129822	0.6997318863868713	0.7613940834999084
kullback_leibler_divergence	0.6997318863868713	0.667560338973999	0.6756032109260559	0.7158176898956299	0.747989296913147	0.7238605618476868	0.6916890144348145
poisson	0.7613940834999084	0.6729222536087036	0.6541554927825928	0.7184986472129822	0.6782841682434082	0.707774817943573	0.7050938606262207
cosine_proximity	0.7399463653564453	0.6595174074172974	0.667560338973999	0.7694370150566101	0.707774817943573	0.6782841682434082	0.7104557752609253

12. TÁBLÁZAT: DETEKTÁLÁSI ARÁNY AZ EGYES OPTIMALIZÁLÓK ÉS KÖLTSÉGFÜGGVÉNYEK ESETÉN (KÖZÖSEN NORMÁLT ADATOK FELHASZNÁLÁSÁVAL)

	RMSprop	SGD	Adagrad	Adadelta	Adam	Adamax	Nadam
mean_squared_error	0.7506702542304993	0.6809651255607605	0.6997318863868713	0.707774817943573	0.6836460828781128	0.6997318863868713	0.7024128437042236
mean_absolute_error	0.6997318863868713	0.7131367325782776	0.7587131261825562	0.7694370150566101	0.7104557752609253	0.6756032109260559	0.667560338973999
mean_absolute_percentage_error	0.6595174074172974	0.6595174074172974	0.7265415787696838	0.7131367325782776	0.6863270998001099	0.7613940834999084	0.7453083395957947
mean_squared_logarithmic_error	0.6997318863868713	0.747989296913147	0.7319034934043884	0.7050938606262207	0.7265415787696838	0.6890080571174622	0.7050938606262207
squared_hinge	0.6809651255607605	0.697050929069519	0.697050929069519	0.7050938606262207	0.7131367325782776	0.7024128437042236	0.7050938606262207
hinge	0.7667560577392578	0.7667560577392578	0.7694370150566101	0.7667560577392578	0.7694370150566101	0.6756032109260559	0.7694370150566101
categorical_hinge	0.7667560577392578	0.7265415787696838	0.7453083395957947	0.7694370150566101	0.7667560577392578	0.7560321688652039	0.7694370150566101
logcosh	0.6916890144348145	0.7131367325782776	0.707774817943573	0.7721179723739624	0.6997318863868713	0.6997318863868713	0.7050938606262207
categorical_crossentropy	0.7050938606262207	0.7050938606262207	0.6756032109260559	0.7024128437042236	0.6997318863868713	0.7319034934043884	0.7104557752609253
binary_crossentropy	0.7024128437042236	0.7050938606262207	0.7292225360870361	0.7024128437042236	0.7104557752609253	0.7104557752609253	0.7158176898956299
kullback_leibler_divergence	0.6943699717521667	0.707774817943573	0.6729222536087036	0.7024128437042236	0.7587131261825562	0.7050938606262207	0.7613940834999084
poisson	0.6916890144348145	0.7050938606262207	0.697050929069519	0.707774817943573	0.697050929069519	0.7104557752609253	0.7158176898956299
cosine_proximity	0.7050938606262207	0.7587131261825562	0.7533512115478516	0.6863270998001099	0.7211796045303345	0.6890080571174622	0.7050938606262207

13. TÁBLÁZAT: DETEKTÁLÁSI ARÁNY AZ EGYES OPTIMALIZÁLÓK ÉS KÖLTSÉGFÜGGVÉNYEK ESETÉN (EGYENKÉNT NORMÁLT ADATOK FELHASZNÁLÁSÁVAL)

		Jelzett aktivitás: Igen	Jelzett aktivitás: Nem
Tényleges aktivitás	Nem	124	0
	Igen	86	163

14. TÁBLÁZAT: KONFÚZIÓS MÁTRIX KÜLÖN NORMÁLT ADATOK ÉS ADADELTA/CATEGORICAL_HINGE KOMBINÁCIÓ ESETÉN

4.3.3. Teszteredmények

A tanítás során legjobb eredményt szolgáltató kombinációval rendelkező hálónak megtanítottuk a 2016_10_12__0_002 felvétel aktivitásait (az összes aktivitást felhasználtuk, felét tanító-, felét tesztadat gyanánt). Összesen 60-60 adatcsomagot kaptunk. Minden adatcsomaggal 3 tanítási ciklust eszközöltünk.

A tesztet megvalósító algoritmus programkódja a Melléklet A 2.2. szakaszában, a teszt eredményeit jelentő konfúziós mátrixok a Melléklet B 2.2. pontjában találhatók meg.

A teszt során meglepetést szerzett, hogy a háló az aktivitásokat pontosan jelezte, vagyis hamis negatív eredményt nem kaptunk, az összes hiba a hamis pozitívak köréből került ki.

A konfúziós mátrixok ez esetben kis méretűek voltak; a legjobb, legrosszabb és „átlagos” eredményt itt közöljük.

A legjobb eredmény (találati arány: 0,803333) konfúziós mátrixa a 15. táblázatban látható. A negatív adatok 58,156 %-át találta el helyesen a detektor.

		Jelzett aktivitás: Igen	Jelzett aktivitás: Nem
Tényleges aktivitás	Nem	1000	0
	Igen	590	1410

15. TÁBLÁZAT: LEGJOBB DETEKTÁLÁSI TESZTEREDMÉNY KONFÚZIÓS MÁTRIXA

A legrosszabb eredmény (találati arány: 0,758667) konfúziós mátrixa a 16. táblázatban látható. A helyesen jelzett negatív adatok aránya itt 43,2602 %.

		Jelzett aktivitás	
		Igen	**Nem**
Tényleges aktivitás	**Nem**	1000	0
	Igen	724	1276

16. TÁBLÁZAT: LEGROSSZABB DETEKTÁLÁSI TESZTEREDMÉNY KONFÚZIÓS MÁTRIXA

Az átlagos (a 60 adatcsomag átlagaként számolt) eredmény (találati arány: 0,780933) konfúziós mátrixa a 17. táblázatban látható. A helyesen jelzett negatív adatok aránya 51,0575 %, vagyis jó közelítéssel a háló a negatív adatok felét detektálja helyesen, míg a pozitív adatokat 100 %-os hatékonysággal képes jelezni.

		Jelzett aktivitás	
		Igen	**Nem**
Tényleges aktivitás	**Nem**	1000	0
	Igen	657,2	1342,8

17. TÁBLÁZAT: ÁTLAGOS DETEKTÁLÁSI TESZTEREDMÉNY KONFÚZIÓS MÁTRIXA

5. Összegzés

Jelen dolgozatban konvolúciós neurális hálókat alkalmaztunk idegsejtek aktivitásának detektálására illetve osztályozására.

A detektálás hatásfoka az aktivitások tekintetében 100, míg a hamis pozitívak aránya közelítőleg 50 %; ezen az arányon a továbbiakban érdemes lenne megkísérelni a javítást, viszont már ez a detektor is felhasználható egy olyan osztályozó algoritmus bemeneti fokozataként, ami a negatív adatokat képes elszeparálni a tényleges aktivitásoktól.

Bár a rendelkezésre álló idő erre nem volt elegendő, később érdemes lenne a detektálást az összes adatfájlra lefuttatni (különösen azokra, amikre az osztályozó algoritmus is érdekes – különösen jó, vagy éppen átlag alatti – kimenetet produkált). Különösen hasznos volna az algoritmus tesztelése olyan időszeleteken, amik az egyes aktivitásoknak csak egy részét tartalmazzák, ezzel fontos lépést téve az esetleges valós idejű alkalmazások felé.

Az általunk használt (minden egyes adatfájl esetében működőképes) osztályozó algoritmusok az egyes aktivitások megkülönböztetésére 71,6–88,78 %-os hatékonysággal képesek a felvétel bizonyos (egyelőre nem tisztázott) jellemzőitől függően.

A későbbiekben hasznos lenne a negatív adatok kategóriájának az algoritmushoz vétele, amivel mintegy kiegészítve a detektáló algoritmust (pontosan kompenzálva annak hibáját) az osztályozó annak kimeneti fokozata lehetne.

A kapott eredmények nem tekinthetők rossznak annak fényében, hogy mindkét háló csupán egy konvolúciós réteggel rendelkezik, így relatíve egyszerű hálók, amiknek a tanítása sem vesz igénybe túlzottan sok időt.

6. HIVATKOZÁSOK

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MELLÉKLET A

Használt kódok

1. AKTIVITÁSOK OSZTÁLYOZÁSÁHOZ HASZNÁLT KÓDOK

1.1. Költségek és optimalizálók teljesítményének kiértékelése ismert háló esetén

```
import sys
import numpy as np
import keras
from keras.models import Sequential
from keras.layers import Dense, Flatten
from keras.layers import Conv2D, MaxPooling2D
from sklearn.metrics import confusion_matrix
import time

# 0. DEKLARÁCIÓK, DEFINÍCIÓK ##################################################################################################
# Program paraméterei
fn = "ARat_2016_10_12__0_002.dat"    # Ebben a fájlban keresünk mintákat
ofn = "Eredmény.txt"                 # Ebbe a fájlba írjuk a futtatás eredményét
n_cluster = 23                       # Ennyi klaszter adatait használjuk fel
n_category = n_cluster + 1           # Tanítási kategóriák száma (klaszterek száma + 1 kategória a negatív adatoknak)
training_rate = 0.5                  # Tanításhoz az adatok ekkora hányadát használjuk fel

# Fix konstansok, dimenziók
n_row = 32                      # Ennyi sorból áll egy minta
n_column = 4                    # Ennyi oszlopból áll egy minta
n_channel = n_row*n_column      # Ennyi csatorna van egy mintában
n_frame = 2*n_channel           # Egy minta ennyi bájtot tartalmaz (kétbájtos előjeles egészek)
n_labeled_data = n_channel + 1  # Ennyi oszlopa van a mintákat és a címkéket tartalmazó mátrixoknak

# Felhasznált adatok, paraméterek, dimenziók
N_spike = np.zeros((0, 1), dtype=np.int64)        # Egy klaszterhez ennyi pozitív minta tartozik
N_train = np.zeros((0, 1), dtype=np.int64)        # Tanító pozitív adatok száma klaszterenként
N_test = np.zeros((0, 1), dtype=np.int64)         # Tesztadatok száma klaszterenként (pozitív minták)

n_true = 0          # Pozitív (tüskéket tartalmazó) minták száma
n_train = 0         # Tanító adatok száma
n_test = 0          # Tesztadatok száma

index_true = []     # Pozitív minták indexei

data_true = np.zeros((0, n_labeled_data), dtype=np.int64)      # Pozitív minták és a hozzájuk tartozó címkék tömbje
data_train = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tanító adatok tömbje
data_test = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tesztadatok tömbje
label_train = np.zeros((0, n_labeled_data), dtype=np.int64)    # Tanító adatok címkéinek tömbje
label_test = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tesztadatok címkéinek tömbje

# 1. ADATOK BETÖLTÉSE, ELŐFELDOLGOZÁS #########################################################################################
start0 = time.time()                                                # Időmérés
np.set_printoptions(threshold=sys.maxsize, linewidth=sys.maxsize)   # A kimenet ne tördelje a sorokat feleslegesen

# 1.1. Adatok betöltése $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
# 1.1.1. Pozitív adatok előállítása ////////////////////////////////////////////////////////////////////////////////////////////

# Végigmegyünk az összes neuronon
for i_cluster in range(n_cluster):
    print(str(i_cluster) + ". neuron adatainak beolvasása")
    start = time.time()

    # Indexek beolvasása ev2 fájlból
    evfn = "Arat" + str(i_cluster) + ".ev2"
    index_true_temp = np.loadtxt(evfn, dtype='int', skiprows=0, usecols=None)

    # Pozitív minták száma
    n_spike = index_true_temp.shape[0]          # Az adott klaszterre
    N_spike = np.vstack([N_spike, n_spike])     # A többihez vesszük

    # Pozitív minták indexei
    index_true_temp = index_true_temp[0:n_spike, 5]             # Utolsó oszlop tartalmazza a tüske maximumához tartozó minta indexét
    index_true_temp = np.array(index_true_temp, dtype=np.int64)
    index_true_temp = index_true_temp*n_frame                   # A dat fájlban ekkora ugrásonként következik új minta
    index_true = np.hstack([index_true, index_true_temp])       # A többihez vesszük

    # Minták beolvasása dat fájlból
    data_true_temp = np.zeros([n_spike, n_labeled_data])
    with open(fn, "rb") as f:
        f.seek(0)   # Fájl elejére ugrás
        for j in range(n_spike):
            f.seek(index_true_temp[j])   # Minta elejére ugrás
            for i in range(n_channel):
                data_true_temp[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)     # Minta betöltése
    data_true_temp[0:n_spike, n_channel] = i_cluster    # Klaszterhez tartozó minták felcímkézése
    data_true = np.vstack([data_true, data_true_temp])  # A többihez vesszük

    # Beolvasás időtartamának kiírása
    end = time.time()
    elapsed = end - start
    print(elapsed)

n_true = index_true.shape[0]
index_true = np.array(index_true, dtype=np.int64)
index_true = np.sort(index_true)
```

```
# 1.2. Előfeldolgozás %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
print("Előfeldolgozás")
start = time.time()

# Adatsorok normálása
minimum = data_true[0:n_true, 0:n_channel].min()
maximum = data_true[0:n_true, 0:n_channel].max()
eltolas = (maximum + minimum)/2
skalafaktor = (np.abs(maximum) + np.abs(minimum))/2
data_true[0:n_true, 0:n_channel] = (data_true[0:n_true, 0:n_channel] - eltolas)/skalafaktor

# Tanító- és tesztadatok szétválogatása az egyes klaszterekre
N_train = np.ndarray.round(training_rate*N_spike)
N_test = N_spike - N_train
N_spike_cum_end = np.cumsum(N_spike)
N_spike_cum_start = (N_spike_cum_end - N_spike.transpose()).flatten()

for i_cluster in range(n_cluster):
    data_train_temp = data_true[N_spike_cum_start[i_cluster]:int(N_spike_cum_start[i_cluster] + N_train[i_cluster]), 0:n_labeled_data]
    data_test_temp = data_true[int(N_spike_cum_end[i_cluster] - N_test[i_cluster]):N_spike_cum_end[i_cluster], 0:n_labeled_data]
    data_train = np.vstack([data_train, data_train_temp])
    data_test = np.vstack([data_test, data_test_temp])

# Címkék és adatok szétvágása külön mátrixokra
n_train = data_train.shape[0]
n_test_all = data_test.shape[0]

label_train = data_train[0:n_train, n_channel]
label_test = data_test[0:n_test_all, n_channel]
data_train = data_train[0:n_train, 0:n_channel]
data_test = data_test[0:n_test_all, 0:n_channel]

label_test0 = label_test    # Címkék félretétele a konfúziós mátrixhoz

# Átalakítás a háló számára
data_train = data_train.reshape(n_train, n_row, n_column, 1)
data_test = data_test.reshape(n_test_all, n_row, n_column, 1)
label_train = keras.utils.to_categorical(label_train, num_classes=n_category)
label_test = keras.utils.to_categorical(label_test, num_classes=n_category)

end1 = time.time()  # Adatok betöltésével/előfeldolgozásával eltelt idő

# 2. KONVOLÚCIÓS HÁLÓ ##################################################################################################
print("Háló felépítése")
start1 = time.time()

# 2.1. Háló felépítése %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
n_reteg = 0     # A bemenő konvolúciós rétegen felüli konvolúciós rétegek száma
depth = 32      # Konvolúciós rétegek szűrőszáma

stride = (2, 2)
kernel = (4, 4)
pooling = (2, 2)

# Lehetséges optimalizálók listája
n_optimizer = 7
switcher_optimizer = {
    0: "RMSprop",
    1: "SGD",
    2: "Adagrad",
    3: "Adadelta",
    4: "Adam",
    5: "Adamax",
    6: "Nadam"
}

# Lehetséges költségfüggvények listája
n_loss = 12
switcher_loss = {
    0: "mean_squared_error",
    1: "mean_absolute_error",
    2: "mean_absolute_percentage_error",
    3: "mean_squared_logarithmic_error",
    4: "squared_hinge",
    5: "hinge",
    6: "categorical_hinge",
    7: "logcosh",
    8: "categorical_crossentropy",
    9: "kullback_leibler_divergence",
    10: "poisson",
    11: "cosine_proximity"
}

# Végigmenve az optimalizálókon és a költségeken adott felvétel neuronjainak aktivitására betanítjuk a hálót
for i_optimizer in range(n_optimizer):
    optimizer = switcher_optimizer.get(i_optimizer)     # Adott ciklushoz tartozó optimalizáló

    with open(ofn, 'a') as file:
        file.write(optimizer)
        file.write('\n')

    for i_loss in range(n_loss):
        loss = switcher_loss.get(i_loss)                # Adott ciklushoz tartozó költségfüggvény

        halo = Sequential()

        halo.add(Conv2D(depth, strides=stride, kernel_size=kernel, activation='linear', input_shape=(n_row, n_column, 1), padding='same'))
        halo.add(MaxPooling2D(pooling, padding='same'))

        k_reteg = 0
        i_reteg = 0
        for i_reteg in range(n_reteg):
            halo.add(Conv2D((i_reteg + 2)*depth, kernel, activation='linear', padding='same'))
```

```
            halo.add(MaxPooling2D(pool_size=pooling, padding='same'))
            k_reteg = i_reteg

        halo.add(Flatten())
        halo.add(Dense((i_reteg + 2)*depth, activation='linear'))
        halo.add(Dense(n_category, activation='softmax'))

        # 2.2. Fordítás, tanítás, eredmények %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
        halo.compile(loss=loss, optimizer=optimizer, metrics=['accuracy'])
        halo.fit(data_train, label_train, batch_size=round(n_train/1000), epochs=30)
        print(optimizer)
        print(loss)

        # Konfúziós mátrix
        label_predicted = halo.predict(data_test)
        label_predicted0 = np.zeros(n_test_all)

        for i in range(n_test_all):
            label_predicted0[i] = np.argmax(label_predicted[i, 0:n_category])
        cm = confusion_matrix(label_test0, label_predicted0)
        print(cm)

        # Tesztadatok kiértékelése
        score = halo.evaluate(data_test, label_test, batch_size=n_test_all)
        print(score)

        # Eredmények fájlba írása
        with open(ofn, 'a') as file:
            file.write(loss)
            file.write('\n')
            file.write(str(cm))
            file.write('\n')
            file.write(str(score))
            file.write('\n')
            file.write('\n')

# Időmérés vége
end0 = time.time()
elapsed0 = end0 - start0
elapsed1 = end1 - start0
elapsed2 = end0 - start1

# Fájlba írás
print("Teljes eltelt idő: " + str(elapsed0))
print("Ebből adatok előállítása: " + str(elapsed1))
print("Háló tanítása: " + str(elapsed2))

with open(ofn, 'a') as file:
    file.write("Teljes eltelt idő: " + str(elapsed0))
    file.write('\n')
    file.write("Ebből adatok előállítása: " + str(elapsed1))
    file.write('\n')
    file.write("Háló tanítása: " + str(elapsed2))
    file.write('\n')
    file.write('\n')
```

1.2. Adott kernelméret/optimalizáló/költség kombinációk kiértékelése

```
import sys
import numpy as np
import keras
from keras.models import Sequential
from keras.layers import Dense, Flatten
from keras.layers import Conv2D, MaxPooling2D
from sklearn.metrics import confusion_matrix
import time

# 0. DEKLARÁCIÓK, DEFINÍCIÓK ###########################################################################################
# Program paraméterei
fn = "ARat_2016_07_27__0_002.dat"   # Ebben a fájlban keresünk mintákat
ofn = "Eredmény.txt"
n_cluster = 37                      # Ennyi klaszter adatait használjuk fel
n_category = n_cluster              # Tanítási kategóriák száma (klaszterek száma + 1 kategória a negatív adatoknak)
training_rate = 0.5                 # Tanításhoz az adatok ekkora hányadát használjuk fel

# Fix konstansok, dimenziók
n_row = 32                      # Ennyi sorból áll egy minta
n_column = 4                    # Ennyi oszlopból áll egy minta
n_channel = n_row*n_column      # Ennyi csatorna van egy mintában
n_frame = 2*n_channel           # Egy minta ennyi bájtot tartalmaz (kétbájtos előjeles egészek)
n_labeled_data = n_channel + 1  # Ennyi oszlopa van a mintákat és a címkéket tartalmazó mátrixoknak

# Felhasznált adatok, paraméterek, dimenziók
N_spike = np.zeros((0, 1), dtype=np.int64)        # Egy klaszterhez ennyi pozitív minta tartozik
N_train = np.zeros((0, 1), dtype=np.int64)        # Tanító pozitív adatok száma klaszterenként
N_test = np.zeros((0, 1), dtype=np.int64)         # Tesztadatok száma klaszterenként (pozitív minták)

n_true = 0          # Pozitív (tüskéket tartalmazó) minták száma
n_train = 0         # Tanító adatok száma
n_test = 0          # Tesztadatok száma

index_true = []     # Pozitív minták indexei

data_true = np.zeros((0, n_labeled_data), dtype=np.int64)      # Pozitív minták és a hozzájuk tartozó címkék tömbje
data_train = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tanító adatok tömbje
data_test = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tesztadatok tömbje
label_train = np.zeros((0, n_labeled_data), dtype=np.int64)    # Tanító adatok címkéinek tömbje
label_test = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tesztadatok címkéinek tömbje
```

```
# 1. ADATOK BETÖLTÉSE, ELŐFELDOLGOZÁS ##################################################################################
start0 = time.time()                                                   # Időmérés
np.set_printoptions(threshold=sys.maxsize, linewidth=sys.maxsize)    # A kimenet ne tördelje a sorokat feleslegesen

# 1.1. Adatok betöltése %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
# 1.1.1. Pozitív adatok előállítása ////////////////////////////////////////////////////////////////////////////////
# Végigmegyünk az összes neuronon
for i_cluster in range(n_cluster):
    print(str(i_cluster) + ". neuron adatainak beolvasása")
    start = time.time()

    # Indexek beolvasása ev2 fájlból
    evfn = "Arat" + str(i_cluster) + ".ev2"
    index_true_temp = np.loadtxt(evfn, dtype='int', skiprows=0, usecols=None)

    # Pozitív minták száma
    n_spike = index_true_temp.shape[0]          # Az adott klaszterre
    N_spike = np.vstack([N_spike, n_spike])     # A többihez vesszük

    # Pozitív minták indexei
    index_true_temp = index_true_temp[0:n_spike, 5]             # Utolsó oszlop tartalmazza a tüske maximumához tartozó minta indexét
    index_true_temp = np.array(index_true_temp, dtype=np.int64)
    index_true_temp = index_true_temp*n_frame                   # A dat fájlban ekkora ugrásonként következik új minta
    index_true = np.hstack([index_true, index_true_temp])       # A többihez vesszük

    # Minták beolvasása dat fájlból
    data_true_temp = np.zeros([n_spike, n_labeled_data])
    with open(fn, "rb") as f:
        f.seek(0)                           # Fájl elejére ugrás
        for j in range(n_spike):
            f.seek(index_true_temp[j])      # Minta elejére ugrás
            for i in range(n_channel):
                data_true_temp[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)    # Minta betöltése
    data_true_temp[0:n_spike, n_channel] = i_cluster            # Klaszterhez tartozó minták felcímkézése
    data_true = np.vstack([data_true, data_true_temp])          # A többihez vesszük

    # Beolvasás időtartamának kiírása
    end = time.time()
    elapsed = end - start
    print(elapsed)

n_true = index_true.shape[0]
index_true = np.array(index_true, dtype=np.int64)
index_true = np.sort(index_true)

# 1.2. Előfeldolgozás %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
print("Előfeldolgozás")
start = time.time()

# Adatsorok normálása
minimum = data_true[0:n_true, 0:n_channel].min()
maximum = data_true[0:n_true, 0:n_channel].max()
eltolas = (maximum + minimum)/2
skalafaktor = (np.abs(maximum) + np.abs(minimum))/2
data_true[0:n_true, 0:n_channel] = (data_true[0:n_true, 0:n_channel] - eltolas)/skalafaktor

# Tanító- és tesztadatok szétválogatása az egyes klaszterekre
N_train = np.ndarray.round(training_rate*N_spike)
N_test = N_spike - N_train
N_spike_cum_end = np.cumsum(N_spike)
N_spike_cum_start = (N_spike_cum_end - N_spike.transpose()).flatten()

for i_cluster in range(n_cluster):
    data_train_temp = data_true[N_spike_cum_start[i_cluster]:int(N_spike_cum_start[i_cluster] + N_train[i_cluster]), 0:n_labeled_data]
    data_test_temp = data_true[int(N_spike_cum_end[i_cluster] - N_test[i_cluster]):N_spike_cum_end[i_cluster], 0:n_labeled_data]
    data_train = np.vstack([data_train, data_train_temp])
    data_test = np.vstack([data_test, data_test_temp])

# Címkék és adatok szétvágása külön mátrixokra
n_train = data_train.shape[0]
n_test_all = data_test.shape[0]

label_train = data_train[0:n_train, n_channel]
label_test = data_test[0:n_test_all, n_channel]
data_train = data_train[0:n_train, 0:n_channel]
data_test = data_test[0:n_test_all, 0:n_channel]

label_test0 = label_test    # Címkék félretétele a konfúziós mátrixhoz

# Átalakítás a háló számára
data_train = data_train.reshape(n_train, n_row, n_column, 1)
data_test = data_test.reshape(n_test_all, n_row, n_column, 1)
label_train = keras.utils.to_categorical(label_train, num_classes=n_category)
label_test = keras.utils.to_categorical(label_test, num_classes=n_category)

end1 = time.time()  # Adatok betöltésével/előfeldolgozásával eltelt idő

# 2. KONVOLÚCIÓS HÁLÓ ##################################################################################################
print("Háló felépítése")
start1 = time.time()

# 2.1. Háló felépítése %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
n_reteg = 0     # A bemenő konvolúciós rétegen felüli konvolúciós rétegek száma
depth = 32      # Konvolúciós rétegek szűrőszáma

stride = (1, 1)
pooling = (1, 1)

n_ciklus = 11   # Lehetséges kombinációk száma
```

```python
# Adott kombinációkhoz tartozó kernelek
switcher_kernel = {
    0: (4, 2),
    1: (4, 2),
    2: (4, 2),
    3: (16, 2),
    4: (16, 2),
    5: (16, 2),
    6: (16, 2),
    7: (16, 2),
    8: (16, 2),
    9: (16, 2),
    10: (16, 2)
}

# Adott kombinációkhoz tartozó optimalizálók
switcher_optimizer = {
    0: "RMSprop",
    1: "RMSprop",
    2: "Adamax",
    3: "RMSprop",
    4: "RMSprop",
    5: "Adadelta",
    6: "Adam",
    7: "Adamax",
    8: "Nadam",
    9: "Nadam",
    10: "Nadam"
}

# Adott kombinációkhoz tartozó költségfüggvények
switcher_loss = {
    0: "mean_squared_error",
    1: "mean_squared_logarithmic_error",
    2: "cosine_proximity",
    3: "mean_squared_logarithmic_error",
    4: "categorical_crossentropy",
    5: "cosine_proximity",
    6: "categorical_hinge",
    7: "cosine_proximity",
    8: "mean_squared_logarithmic_error",
    9: "categorical_hinge",
    10: "logcosh"
}

for i_ciklus in range(n_ciklus):
    # Adott kombináció paramétereinek betöltése
    kernel = switcher_kernel.get(i_ciklus)
    optimizer = switcher_optimizer.get(i_ciklus)
    loss = switcher_loss.get(i_ciklus)

    # Paraméterek fájlba írása
    with open(ofn, 'a') as file:
        file.write(optimizer)
        file.write('\n')
        file.write("Stride: " + str(stride))
        file.write('\n')
        file.write("Kernel: " + str(kernel))
        file.write('\n')
        file.write("Pooling: " + str(pooling))
        file.write('\n')

    halo = Sequential()

    halo.add(Conv2D(depth, strides=stride, kernel_size=kernel, activation='linear', input_shape=(n_row, n_column, 1), padding='same'))
    halo.add(MaxPooling2D(pooling, padding='same'))

    k_reteg = 0
    i_reteg = 0
    for i_reteg in range(n_reteg):
        halo.add(Conv2D((i_reteg + 2)*depth, kernel, activation='linear', padding='same'))
        halo.add(MaxPooling2D(pool_size=pooling, padding='same'))
        k_reteg = i_reteg

    halo.add(Flatten())
    halo.add(Dense((i_reteg + 2)*depth, activation='linear'))
    halo.add(Dense(n_category, activation='softmax'))

    # 2.2. Fordítás, tanítás, eredmények %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    halo.compile(loss=loss, optimizer=optimizer, metrics=['accuracy'])
    halo.fit(data_train, label_train, batch_size=round(n_train/1000), epochs=30)
    print(optimizer)
    print(loss)

    # Konfúziós mátrix
    label_predicted = halo.predict(data_test)
    label_predicted0 = np.zeros(n_test_all)

    for i in range(n_test_all):
        label_predicted0[i] = np.argmax(label_predicted[i, 0:n_category])
    cm = confusion_matrix(label_test0, label_predicted0)
    print(cm)

    # Tesztadatok kiértékelése
    score = halo.evaluate(data_test, label_test, batch_size=int(round(n_test_all/10)))
    print(score)
```

```
    # Eredmények fájlba írása
    with open(ofn, 'a') as file:
        file.write(loss)
        file.write('\n')
        file.write(str(cm))
        file.write('\n')
        file.write(str(score))
        file.write('\n')
        file.write('\n')

# Időmérés vége
end0 = time.time()
elapsed0 = end0 - start0
elapsed1 = end1 - start0
elapsed2 = end0 - start1

# Fájlba írás
print("Teljes eltelt idő: " + str(elapsed0))
print("Ebből adatok előállítása: " + str(elapsed1))
print("Háló tanítása: " + str(elapsed2))

with open(ofn, 'a') as file:
    file.write("Teljes eltelt idő: " + str(elapsed0))
    file.write('\n')
    file.write("Ebből adatok előállítása: " + str(elapsed1))
    file.write('\n')
    file.write("Háló tanítása: " + str(elapsed2))
    file.write('\n')
    file.write('\n')
```

2. AKTIVITÁSOK DETEKTÁLÁSÁHOZ HASZNÁLT KÓDOK

2.1. Költségek és optimalizálók teljesítményének kiértékelése ismert háló esetén

```
import numpy as np
import keras
from keras.models import Sequential
from keras.layers import Dense, Flatten
from keras.layers import Conv3D, MaxPooling3D
from keras.models import load_model
from sklearn.metrics import confusion_matrix
import time

# DEKLARÁCIÓK, DEFINÍCIÓK ##########################################################################################
# Program paraméterei

start = time.time()

fn = "ARat_2016_10_12__0_002.dat"   # Ebben a fájlban keresünk mintákat
ofn = "Eredmény.txt"
n_cluster = 24                      # Ennyi klaszter adatait használjuk fel
n_category = 2                      # Tanítási kategóriák száma
batch_size = 250                    # Ennyi pozitív adatot olvasunk be egyszerre
training_rate = 0.5                 # Tanításhoz az adatok ekkora hányadát használjuk fel

# Fix konstansok, dimenziók
n_row = 32                          # Ennyi sorból áll egy keret
n_column = 4                        # Ennyi oszlopból áll egy keret
n_frame = 100                       # Ennyi keretet olvasunk be egy időszelet gyanánt
n_channel = n_row*n_column          # Ennyi minta van egy keretben
n_byte = 2*n_channel                # Egy keret ennyi bájtot tartalmaz (kétbájtos előjeles egészek)
n_sample = n_frame*n_channel        # Ennyi mintát olvasunk be egy időszelet gyanánt
n_labeled_data = n_sample + 1       # Ennyi oszlopa van a mintákat és a címkéket tartalmazó mátrixoknak

# Felhasznált adatok, paraméterek, dimenziók
n_true = 0          # Pozitív (tüskéket tartalmazó) minták száma
n_false = 0         # Negatív (tüskéket nem tartalmazó) minták száma
n_all = 0           # Összes minta száma
n_train = 0         # Tanító adatok száma
n_test = 0          # Tesztadatok száma
n_batch = 0         # Ennyi adatcsomaggal dolgozunk

index_true = []     # Pozitív minták indexei
index_false = []    # Negatív minták indexei

data_true = np.zeros((0, n_labeled_data), dtype=np.int64)       # Pozitív minták és a hozzájuk tartozó címkék tömbje
data_false = np.zeros((0, n_labeled_data), dtype=np.int64)      # Negatív minták és a hozzájuk tartozó címkék tömbje
data_all = np.zeros((0, n_labeled_data), dtype=np.int64)        # Összes mintát tartalmazó tömb
data_train = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tanító adatok tömbje
data_test = np.zeros((0, n_labeled_data), dtype=np.int64)       # Tesztadatok tömbje
label_train = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tanító adatok címkéinek tömbje
label_test = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tesztadatok címkéinek tömbje

# ADATOK INDEXEINEK ELŐÁLLÍTÁSA ####################################################################################

# Pozitív minták indexei
for i_cluster in range(n_cluster):

    # Indexek beolvasása ev2 fájlból
    evfn = "Arat" + str(i_cluster) + ".ev2"
    # evfn = "Arat_2016_10_12__0_002_48.ev2"
    index_true_temp = np.loadtxt(evfn, dtype='int', skiprows=0, usecols=None)
    n_spike = index_true_temp.shape[0]          # Pozitív minták száma az adott klaszterre

    index_true_temp = index_true_temp[0:n_spike, 5]        # Utolsó oszlop tartalmazza a tüske maximumához tartozó minta indexét
    index_true_temp = np.array(index_true_temp, dtype=np.int64)

    index_true = np.hstack([index_true, index_true_temp])  # A többihez vesszük
```

```python
n_true = index_true.shape[0]

for i in range(n_true):
    index_true[i] = index_true[i] - 20   # Véletlenszerű kismértékű eltolás

index_true = index_true * n_byte  # A dat fájlban ekkora ugrásonként következik új minta
index_true = np.array(index_true, dtype=np.int64)
index_true = np.sort(index_true)

# Negatív minták a pozitívak között harmad- és kétharmadúton, lefelé egész számra kerekítve
# Mivel az első keret előtt is keresünk mintákat, az indexelést nullától kezdjük, az utolsó indexet levágva
index_true_ofset = np.zeros(n_true)
index_true_ofset[1:n_true] = index_true[0:n_true-1]

# Az előbb számított indexekhez képesti eltolások
ofset1 = np.round((index_true - index_true_ofset)/3)
ofset1 = ofset1.astype(np.int64)
ofset2 = 2*ofset1

# Az eltolt indexek összefűzése, majd sorbarendezése
index_false = np.hstack([index_true_ofset + ofset1, index_true_ofset + ofset2])
index_false = index_false.astype(np.int64)
index_false = np.sort(index_false)
n_false = index_false.shape[0]

# ADATOK BETÖLTÉSE, ELŐFELDOLGOZÁS, HÁLÓ TANÍTÁSA ###################################################################
# Mindez ciklikusan, mintacsomagonként, hogy a memóriában elférjenek az adatok
n_batch = 1 # Adatcsomagok száma
print(n_batch)

n_true_batch = batch_size
n_false_batch = 2*batch_size

n_true_train = int(round(n_true_batch * training_rate))
n_false_train = int(round(n_false_batch * training_rate))

for k in range(n_batch):
    print(k)
    # Minták beolvasása dat fájlból %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    data_true = np.zeros((n_true_batch, n_labeled_data), dtype=np.int64)
    data_false = np.zeros((n_false_batch, n_labeled_data), dtype=np.int64)
    data_train = np.zeros((0, n_labeled_data), dtype=np.int64)

    with open(fn, "rb") as f:
        f.seek(0)  # Fájl elejére ugrás
        for j in range(n_true_batch):
            f.seek(index_true[j + k*n_true_batch])  # Minta elejére ugrás
            for i in range(n_sample):
                data_true[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)  # Minta betöltése
    data_true[0:n_true_batch, n_sample] = 0  # Klaszterhez tartozó minták felcimkézése

    with open(fn, "rb") as f:
        f.seek(0)
        for j in range(n_false_batch):
            f.seek(index_false[j + k*n_false_batch])
            for i in range(n_sample):
                data_false[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)
    data_false[0:n_false_batch, n_sample] = 1

    # Adatok közös mátrixba vétele
    data_all = np.vstack([data_true, data_false])
    n_all = n_true_batch + n_false_batch

    # Előfeldolgozás %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    # Adatsorok normálása
    data_all = data_all.astype(dtype=float)

    # # Közös norma az összes időszeletre
    # minimum = data_all[0:n_all, 0:n_sample].min()
    # maximum = data_all[0:n_all, 0:n_sample].max()
    # eltolas = (maximum + minimum) / 2
    # skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2
    # data_all[0:n_all, 0:n_sample] = data_all[0:n_all, 0:n_sample] / skalafaktor

    # Külön minden időszeletre
    minimum = data_all[0:n_all, 0:n_sample].min(axis=1)
    maximum = data_all[0:n_all, 0:n_sample].max(axis=1)
    minimum = minimum.reshape((n_all, 1))
    maximum = maximum.reshape((n_all, 1))
    eltolas = (maximum + minimum) / 2
    skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2

    data_all[0:n_all, 0:n_sample] = np.subtract(data_all[0:n_all, 0:n_sample], eltolas)
    data_all[0:n_all, 0:n_sample] = np.divide(data_all[0:n_all, 0:n_sample], skalafaktor)

    # Pozitív adatok szétosztása tanító és tesztadatokra
    data_train_temp = data_all[0:n_true_train, 0:n_labeled_data]
    data_test_temp = data_all[n_true_train+1:n_true_batch, 0:n_labeled_data]

    data_train = np.vstack([data_train, data_train_temp])
    data_test = np.vstack([data_test, data_test_temp])

    # Negatív adatok szétosztása tanító és tesztadatokra
    data_train_temp = data_all[n_true_batch+1:n_true_batch+n_false_train, 0:n_labeled_data]
    data_test_temp = data_all[n_true_batch+n_false_train+1:n_all, 0:n_labeled_data]

    data_train = np.vstack([data_train, data_train_temp])
    data_test = np.vstack([data_test, data_test_temp])

    # Címkék és adatok szétvágása külön mátrixokra
    n_train = data_train.shape[0]
```

```python
label_train = data_train[0:n_train, n_sample]
data_train = data_train[0:n_train, 0:n_sample]

# Átalakítás a háló számára
data_train = data_train.reshape(n_train, n_frame, n_row, n_column, 1)
label_train = keras.utils.to_categorical(label_train, num_classes=n_category)

# Tesztadatok feldolgozása %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
# Tesztadatok szétvágása adatokra és címkékre
n_test_all = data_test.shape[0]

label_test = data_test[0:n_test_all, n_sample]
data_test = data_test[0:n_test_all, 0:n_sample]

label_test0 = label_test  # Címkék félretétele a konfúziós mátrixhoz

# Átalakítás a háló számára
data_test = data_test.reshape(n_test_all, n_frame, n_row, n_column, 1)
label_test = keras.utils.to_categorical(label_test, num_classes=n_category)

# KONVOLÚCIÓS HÁLÓ #####################################################################################################
n_reteg = 0 # Háló bemeneti konvolúciós rétegén felüli konvolúciós rétegek száma
depth = 1   # Rétegenkénti szűrőszám

stride = (4, 4, 4)
kernel = (4, 4, 4)
pooling = (2, 2, 2)

# Lehetséges optimalizálók listája
n_optimizer = 7
switcher_optimizer = {
    0: "RMSprop",
    1: "SGD",
    2: "Adagrad",
    3: "Adadelta",
    4: "Adam",
    5: "Adamax",
    6: "Nadam"
}

# Lehetséges költségfüggvények listája
n_loss = 13
switcher_loss = {
    0: "mean_squared_error",
    1: "mean_absolute_error",
    2: "mean_absolute_percentage_error",
    3: "mean_squared_logarithmic_error",
    4: "squared_hinge",
    5: "hinge",
    6: "categorical_hinge",
    7: "logcosh",
    8: "categorical_crossentropy",
    9: "binary_crossentropy",
    10: "kullback_leibler_divergence",
    11: "poisson",
    12: "cosine_proximity"
}

# A költségek és optimalizálók minden kombinációján végigmegy
for i_optimizer in range(n_optimizer):
    for i_loss in range(n_loss):

        optimizer = switcher_optimizer.get(i_optimizer)
        loss = switcher_loss.get(i_loss)

        halo = Sequential()

        halo.add(Conv3D(depth, strides=stride, kernel_size=kernel, activation='linear',
                        input_shape=(n_frame, n_row, n_column, 1), padding='same', data_format='channels_last'))
        halo.add(MaxPooling3D(pooling, padding='same'))

        k_reteg = 0
        i_reteg = 0
        for i_reteg in range(n_reteg):
            halo.add(Conv3D((i_reteg + 2) * depth, kernel, activation='linear', padding='same'))
            halo.add(MaxPooling3D(pool_size=pooling, padding='same'))
            k_reteg = i_reteg

        halo.add(Flatten())
        halo.add(Dense((i_reteg + 2) * depth, activation='linear'))
        halo.add(Dense(n_category, activation='softmax'))

        halo.compile(loss=loss, optimizer=optimizer, metrics=['accuracy'])
        # Háló tanítása
        halo.fit(data_train, label_train, batch_size=round(n_train/100), epochs=30)

        # TESZT A TANÍTÁSI FOLYAMAT UTÁN ###################################################################################
        # Konfúziós mátrix %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
        label_predicted = halo.predict(data_test)
        label_predicted0 = np.zeros(n_test_all)

        for i in range(n_test_all):
            label_predicted0[i] = np.argmax(label_predicted[i, 0:n_category])
        cm = confusion_matrix(label_test0, label_predicted0)
        print(cm)

        # 4.3. Tesztadatok kiértékelése %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
        score = halo.evaluate(data_test, label_test, batch_size=n_test_all)
        print(score)
```

```
            with open(ofn, 'a') as file:
                file.write(optimizer)
                file.write('\n')
                file.write(loss)
                file.write('\n')
                file.write(str(cm))
                file.write('\n')
                file.write(str(score))
                file.write('\n')
                file.write('\n')

end = time.time()
elapsed = end - start
print("Eltelt idő: " + str(elapsed))
with open(ofn, 'a') as file:
    file.write(str(cm))
    file.write('\n')
    file.write(str(score))
    file.write('\n')
    file.write("Eltelt idő: " + str(elapsed))
    file.write('\n')
```

2.2. Aktivitás detektálása

```
import numpy as np
import keras
from keras.models import Sequential
from keras.layers import Dense, Flatten
from keras.layers import Conv3D, MaxPooling3D
from keras.models import load_model
from sklearn.metrics import confusion_matrix
import time

# 0. DEKLARÁCIÓK, DEFINÍCIÓK ##################################################################################################
# Program paraméterei

start = time.time()

fn = "ARat_2016_10_12__0_002.dat"    # Ebben a fájlban keresünk mintákat
ofn = "Eredmény.txt"                # Ebbe a fájlba mentjük az eredményeket
n_cluster = 24                       # Ennyi klaszter adatait használjuk fel
n_category = 2                       # Tanítási kategóriák száma
batch_size = 1000                    # Ennyi pozitív adatot olvasunk be egyszerre
training_rate = 0.5                  # Tanításhoz az adatok ekkora hányadát használjuk fel

# Fix konstansok, dimenziók
n_row = 32                           # Ennyi sorból áll egy keret
n_column = 4                         # Ennyi oszlopból áll egy keret
n_frame = 100                        # Ennyi keretet olvasunk be egy időszelet gyanánt
n_channel = n_row*n_column           # Ennyi minta van egy keretben
n_byte = 2*n_channel                 # Egy keret ennyi bájtot tartalmaz (kétbájtos előjeles egészek)
n_sample = n_frame*n_channel         # Ennyi mintát olvasunk be egy időszelet gyanánt
n_labeled_data = n_sample + 1        # Ennyi oszlopa van a mintákat és a címkéket tartalmazó mátrixoknak

# Felhasznált adatok, paraméterek, dimenziók
n_true = 0          # Pozitív (tüskéket tartalmazó) minták száma
n_false = 0         # Negatív (tüskéket nem tartalmazó) minták száma
n_all = 0           # Összes minta száma
n_train = 0         # Tanító adatok száma
n_test = 0          # Tesztadatok száma
n_batch = 0         # Ennyi adatcsomaggal dolgozunk
n_true_train = 0    # Pozitív tanító adatok száma
n_true_test = 0     # Pozitív tesztadatok száma
n_false_train = 0   # Negatív tanító adatok száma
n_false_test = 0    # Negatív tesztadatok száma

index_true = []         # Pozitív minták indexei
index_false = []        # Negatív minták indexei
index_train_true = []   # Pozitív tanító adatok indexei
index_test_true = []    # Pozitív tesztadatok indexei
index_train_false = []  # Negatív tanító adatok indexei
index_test_false = []   # Negatív tesztadatok indexei

data_true = np.zeros((0, n_labeled_data), dtype=np.int64)       # Pozitív minták és a hozzájuk tartozó címkék tömbje
data_false = np.zeros((0, n_labeled_data), dtype=np.int64)      # Negatív minták és a hozzájuk tartozó címkék tömbje
data_all = np.zeros((0, n_labeled_data), dtype=np.int64)        # Összes mintát tartalmazó tömb
data_train = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tanító adatok tömbje
data_test = np.zeros((0, n_labeled_data), dtype=np.int64)       # Tesztadatok tömbje
label_train = np.zeros((0, n_labeled_data), dtype=np.int64)     # Tanító adatok címkéinek tömbje
label_test = np.zeros((0, n_labeled_data), dtype=np.int64)      # Tesztadatok címkéinek tömbje

# 1. KONVOLÚCIÓS HÁLÓ #########################################################################################################
n_reteg = 0 # Háló bemeneti konvolúciós rétegén felüli konvolúciós rétegek száma
depth = 1   # Rétegenkénti szűrőszám

stride = (4, 4, 4)
kernel = (4, 4, 4)
pooling = (2, 2, 2)

halo = Sequential()

halo.add(Conv3D(depth, strides=stride, kernel_size=kernel, activation='linear', input_shape=(n_frame, n_row, n_column, 1),
padding='same', data_format='channels_last'))
halo.add(MaxPooling3D(pooling, padding='same'))

k_reteg = 0
i_reteg = 0
for i_reteg in range(n_reteg):
    halo.add(Conv3D((i_reteg + 2)*depth, kernel, activation='linear', padding='same'))
    halo.add(MaxPooling3D(pool_size=pooling, padding='same'))
    k_reteg = i_reteg
```

```python
halo.add(Flatten())
halo.add(Dense((i_reteg + 2)*depth, activation='linear'))
halo.add(Dense(n_category, activation='softmax'))

halo.compile(loss='categorical_hinge', optimizer='Adadelta', metrics=['accuracy'])

# 2. ADATOK INDEXEINEK ELŐÁLLÍTÁSA ####################################################################################

# Pozitív minták indexei
for i_cluster in range(n_cluster):

    # Indexek beolvasása ev2 fájlból
    evfn = "Arat" + str(i_cluster) + ".ev2"
    # evfn = "Arat_2016_10_12__0_002_48.ev2"
    index_true_temp = np.loadtxt(evfn, dtype='int', skiprows=0, usecols=None)
    n_spike = index_true_temp.shape[0]          # Pozitív minták száma az adott klaszterre

    index_true_temp = index_true_temp[0:n_spike, 5]        # Utolsó oszlop tartalmazza a tüske maximumához tartozó minta indexét
    index_true_temp = np.array(index_true_temp, dtype=np.int64)

    index_true = np.hstack([index_true, index_true_temp])  # A többihez vesszük

n_true = index_true.shape[0]

for i in range(n_true):
    index_true[i] = index_true[i] - 20 - 2*np.random.randint(0, 5)  # Véletlenszerű kismértékű eltolás

index_true = index_true * n_byte  # A dat fájlban ekkora ugrásonként következik új minta
index_true = np.array(index_true, dtype=np.int64)
index_true = np.sort(index_true)

# Negatív minták a pozitívak között harmad- és kétharmadúton, lefelé egész számra kerekítve
# Mivel az első keret előtt is keresünk mintákat, az indexelést nullától kezdjük, az utolsó indexet levágva
index_true_ofset = np.zeros(n_true)
index_true_ofset[1:n_true] = index_true[0:n_true-1]

# Az előbb számított indexekhez képesti eltolások
ofset1 = np.round((index_true - index_true_ofset)/3)
ofset1 = ofset1.astype(np.int64)
ofset2 = 2*ofset1

# Az eltolt indexek összefűzése, majd sorbarendezése
index_false = np.hstack([index_true_ofset + ofset1, index_true_ofset + ofset2])
index_false = index_false.astype(np.int64)
index_false = np.sort(index_false)
n_false = index_false.shape[0]

# Indexek szétválasztása tanító- és tesztadatok indexeire
index_train_true = index_true[0:int(round(training_rate*n_true))]
index_train_false = index_false[0:int(round(training_rate*n_false))]
n_true_train = index_train_true.shape[0]
n_false_train = index_train_false.shape[0]

index_test_true = index_true[int(round(training_rate*n_true))+1:n_true]
index_test_false = index_false[int(round(training_rate*n_false))+1:n_false]
n_true_test = index_test_true.shape[0]
n_false_test = index_test_false.shape[0]

# 3. ADATOK BETÖLTÉSE, ELŐFELDOLGOZÁS, HÁLÓ TANÍTÁSA ##################################################################
# Mindez ciklikusan, mintacsomagonként, hogy a memóriában elférjenek az adatok
n_batch = int(np.floor(min(n_true_train, n_false_train)/batch_size)) # Adatcsomagok száma
print(n_batch)

n_true_batch = batch_size
n_false_batch = 2*batch_size

n_true_train = int(round(n_true_batch * training_rate))
n_false_train = int(round(n_false_batch * training_rate))

for k in range(n_batch):
    print(k)
    # 3.1. Minták beolvasása dat fájlból %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    data_true = np.zeros((n_true_batch, n_labeled_data), dtype=np.int64)
    data_false = np.zeros((n_false_batch, n_labeled_data), dtype=np.int64)

    with open(fn, "rb") as f:
        f.seek(0)  # Fájl elejére ugrás
        for j in range(n_true_batch):
            f.seek(index_train_true[j + k*n_true_batch])  # Minta elejére ugrás
            for i in range(n_sample):
                data_true[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)  # Minta betöltése
    data_true[0:n_true_batch, n_sample] = 0  # Klaszterhez tartozó minták felcímkézése

    with open(fn, "rb") as f:
        f.seek(0)
        for j in range(n_false_batch):
            f.seek(index_train_false[j + k*n_false_batch])
            for i in range(n_sample):
                data_false[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)
    data_false[0:n_false_batch, n_sample] = 1

    # Adatok közös mátrixba vétele
    data_all = np.vstack([data_true, data_false])
    n_all = n_true_batch + n_false_batch

    # 3.2. Előfeldolgozás %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    # Adatsorok normálása
    data_all = data_all.astype(dtype=float)

    # # Közös norma az összes időszeletre
    # minimum = data_all[0:n_all, 0:n_sample].min()
    # maximum = data_all[0:n_all, 0:n_sample].max()
    # eltolas = (maximum + minimum) / 2
```

```
    # skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2
    # data_all[0:n_all, 0:n_sample] = (data_all[0:n_all, 0:n_sample] - eltolas) / skalafaktor

    # Külön minden időszeletre
    minimum = data_all[0:n_all, 0:n_sample].min(axis=1)
    maximum = data_all[0:n_all, 0:n_sample].max(axis=1)
    minimum = minimum.reshape((n_all, 1))
    maximum = maximum.reshape((n_all, 1))
    eltolas = (maximum + minimum) / 2
    skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2

    data_all[0:n_all, 0:n_sample] = np.subtract(data_all[0:n_all, 0:n_sample], eltolas)
    data_all[0:n_all, 0:n_sample] = np.divide(data_all[0:n_all, 0:n_sample], skalafaktor)

    # Címkék és adatok szétvágása külön mátrixokra
    label_train = data_all[0:n_all, n_sample]
    data_train = data_all[0:n_all, 0:n_sample]

    # Átalakítás a háló számára
    data_train = data_train.reshape(n_all, n_frame, n_row, n_column, 1)
    label_train = keras.utils.to_categorical(label_train, num_classes=n_category)

    # Háló tanítása
    halo.fit(data_train, label_train, batch_size=round(n_all/100), epochs=3)

# 4. TESZT A TANÍTÁSI FOLYAMAT UTÁN ################################################################################
n_batch = int(np.floor(min(n_true_test, n_false_test)/batch_size)) # Adatcsomagok száma
print(n_batch)

n_true_batch = batch_size
n_false_batch = 2*batch_size

for k in range(n_batch):
    print(k)
    # 3.1. Minták beolvasása dat fájlból %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    data_true = np.zeros((n_true_batch, n_labeled_data), dtype=np.int64)
    data_false = np.zeros((n_false_batch, n_labeled_data), dtype=np.int64)

    with open(fn, "rb") as f:
        f.seek(0)  # Fájl elejére ugrás
        for j in range(n_true_batch):
            f.seek(index_test_true[j + k*n_true_batch])  # Minta elejére ugrás
            for i in range(n_sample):
                data_true[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)  # Minta betöltése
    data_true[0:n_true_batch, n_sample] = 0  # Klaszterhez tartozó minták felcímkézése

    with open(fn, "rb") as f:
        f.seek(0)
        for j in range(n_false_batch):
            f.seek(index_test_false[j + k*n_false_batch])
            for i in range(n_sample):
                data_false[j, i] = int.from_bytes(f.read(2), byteorder='little', signed=True)
    data_false[0:n_false_batch, n_sample] = 1

    # Adatok közös mátrixba vétele
    data_all = np.vstack([data_true, data_false])
    n_all = n_true_batch + n_false_batch

    # 3.2. Előfeldolgozás %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    # Adatsorok normálása
    data_all = data_all.astype(dtype=float)

    # # Közös norma az összes időszeletre
    # minimum = data_all[0:n_all, 0:n_sample].min()
    # maximum = data_all[0:n_all, 0:n_sample].max()
    # eltolas = (maximum + minimum) / 2
    # skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2
    # data_all[0:n_all, 0:n_sample] = (data_all[0:n_all, 0:n_sample] - eltolas) / skalafaktor

    # Külön minden időszeletre
    minimum = data_all[0:n_all, 0:n_sample].min(axis=1)
    maximum = data_all[0:n_all, 0:n_sample].max(axis=1)
    minimum = minimum.reshape((n_all, 1))
    maximum = maximum.reshape((n_all, 1))
    eltolas = (maximum + minimum) / 2
    skalafaktor = (np.abs(maximum) + np.abs(minimum)) / 2

    data_all[0:n_all, 0:n_sample] = np.subtract(data_all[0:n_all, 0:n_sample], eltolas)
    data_all[0:n_all, 0:n_sample] = np.divide(data_all[0:n_all, 0:n_sample], skalafaktor)

    # Címkék és adatok szétvágása külön mátrixokra
    label_test = data_all[0:n_all, n_sample]
    label_test0 = label_test  # Címkék félretétele a konfúziós mátrixhoz
    data_test = data_all[0:n_all, 0:n_sample]

    # Átalakítás a háló számára
    data_test = data_test.reshape(n_all, n_frame, n_row, n_column, 1)
    label_test = keras.utils.to_categorical(label_test, num_classes=n_category)

    # 4.2. Konfúziós mátrix %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    label_predicted = halo.predict(data_test)
    label_predicted0 = np.zeros(n_all)

    for i in range(n_all):
        label_predicted0[i] = np.argmax(label_predicted[i, 0:n_category])
    cm = confusion_matrix(label_test0, label_predicted0)
    print(cm)

    # 4.3. Tesztadatok kiértékelése %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    score = halo.evaluate(data_test, label_test, batch_size=n_all)
    print(score)
```

```
    # Fájlba írás
    with open(ofn, 'a') as file:
        file.write(str(cm))
        file.write('\n')
        file.write(str(score))
        file.write('\n')

end = time.time()
elapsed = end - start
print("Eltelt idő: " + str(elapsed))
with open(ofn, 'a') as file:
    file.write("Eltelt idő: " + str(elapsed))
    file.write('\n')
```

Melléklet B

Teszteredmények

1. AKTIVITÁSOK OSZTÁLYOZÁSA

1.1. Költségfüggvény/optimalizáló kombinációk eredményei a kiindulási háló esetén

A mátrixok alatt az összesített eredmény látható (0 és 1 közötti szám). Az egyes sorok az egyes neuronok tüzeléseinek, az oszlopok a háló predikcióinak felelnek meg.

Egyrétegű, 32 szűrőt tartalmazó háló

RMSprop

mean_squared_error

415	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
0	76	0	0	0	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
0	0	0	31	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	73	1	0	0
3	0	0	0	205	0	0	0	0	2	0	0	0	0	1	1	0	2	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	15	1
3	0	0	0	2	0	577	0	66	1	0	0	0	1	0	5	1	0	0	0	0	0	1
2	0	0	0	1	0	1	332	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
2	0	0	0	1	0	189	1	273	0	1	0	3	0	0	1	0	1	0	0	0	0	2
0	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	9
0	0	0	0	1	0	2	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	1	0	3	1	0	0	0	127	0	0	0	0	0	1	0	0	0	0	1
13	1	0	1	2	0	7	7	16	0	2	1	148	1	7	18	0	36	6	3	2	7	13
2	0	0	0	0	0	1	0	0	1	1	0	1	58	1	1	0	4	0	0	0	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0
8	0	0	0	5	0	2	3	0	0	0	0	2	0	1	616	0	6	0	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	0	0	4	0	116	2	0	0	157	0	0
5	0	0	0	7	0	0	1	0	0	1	0	0	0	0	0	0	186	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	0	0	1	0	1	2	0	4	95	0	0	3	3
0	0	0	15	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	57	2	0	0
2	6	0	0	0	0	0	2	0	0	1	0	4	1	9	4	1	2	0	1	286	0	4
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	23

0.7789613604545593

mean_absolute_error

415	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
198	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	38	0	0	0	0	0
0	0	0	98	0	0	0	2	0	0	0	0	0	0	0	1	0	4	0	0	2	0	0
20	0	0	0	0	0	1	4	1	1	2	0	1	0	8	4	0	172	0	0	0	0	0
0	0	0	1	0	105	0	0	0	0	0	0	0	0	0	0	0	2	9	0	0	0	0
0	0	0	0	0	0	559	0	93	0	0	0	0	0	0	4	1	0	0	0	0	0	0
3	0	0	0	0	0	2	330	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0
1	0	0	0	0	0	219	1	246	0	0	0	3	0	0	1	0	3	0	0	0	0	0
1	0	0	0	0	0	0	0	0	94	0	0	0	0	0	1	0	2	0	0	0	0	0
1	0	0	0	0	0	2	1	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21	0	0	7	0	0	12	4	18	0	1	0	163	0	6	13	0	40	5	0	1	0	0
1	0	0	1	0	0	1	0	0	3	0	0	0	58	1	1	0	5	0	0	0	0	0
2	0	0	0	0	0	2	0	0	0	0	0	1	0	103	0	1	2	0	0	0	0	0
12	0	0	0	0	0	4	5	0	0	0	0	1	0	1	614	0	5	1	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	0	0	1	0	59	3	0	0	216	0	0
9	0	0	0	0	0	2	1	1	3	1	0	0	0	0	0	0	184	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	7	102	0	0	0	0
0	0	0	68	0	0	0	0	0	0	0	0	1	3	0	1	0	0	0	0	3	0	0
10	0	0	1	0	0	0	3	0	3	0	0	4	0	6	1	0	8	0	0	287	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	17	0	0	0	0
2	0	0	0	0	0	0	2	0	16	0	0	0	0	0	0	0	5	1	0	0	0	0

0.6688225269317627

mean_absolute_percentage_error

414	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
193	0	0	0	0	0	0	0	1	2	0	0	0	0	0	2	0	0	0	0	2	0	0
12	0	0	0	0	0	0	6	0	0	11	0	0	0	3	31	0	0	1	0	0	0	0
20	0	0	0	0	0	0	10	0	0	6	0	2	0	2	31	0	0	0	0	36	0	0
81	0	0	0	0	0	1	41	0	0	8	0	1	0	22	59	0	0	1	0	0	0	0
0	0	0	0	0	104	0	0	0	0	0	0	0	0	1	0	0	0	11	0	1	0	0
0	0	0	0	0	0	506	1	147	0	0	0	0	0	0	2	1	0	0	0	0	0	0
4	0	0	0	0	0	3	329	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	0	0	127	2	339	0	0	0	3	0	0	1	0	0	0	0	0	0	0
6	0	0	0	0	3	0	69	0	0	6	0	1	0	3	6	0	0	4	0	0	0	0
5	0	0	0	0	0	2	4	0	0	89	0	0	0	0	4	0	0	0	0	0	0	0
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	8	17	30	0	9	0	148	0	8	23	0	0	7	0	3	0	0
1	0	0	0	0	2	1	3	1	0	15	0	8	0	1	4	3	0	6	0	26	0	0
1	0	0	0	0	0	0	1	0	2	0	1	0	0	0	104	0	2	0	0	0	0	0
8	0	0	0	0	0	0	4	3	1	0	0	0	1	0	2	623	0	0	1	0	0	0
0	0	0	0	0	0	1	1	1	0	1	0	1	0	4	1	84	0	0	0	189	0	0
53	0	0	0	0	0	0	2	67	1	0	16	0	0	0	7	43	0	0	12	0	0	0
3	0	0	0	0	0	0	1	0	0	2	0	1	0	0	6	0	0	100	0	0	0	0
0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	17	0	0	1	0	55	0	0
9	0	0	0	0	0	0	3	0	0	7	0	3	0	7	7	0	0	0	0	287	0	0
1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	18	0	0	0	0
5	0	0	0	0	0	0	13	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0

0.5948259234428406

mean_squared_logarithmic_error

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	123	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
0	0	0	43	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	61	1	0
3	0	0	0	203	0	0	0	0	2	1	0	0	0	2	1	0	2	0	0	0	0	0
0	0	0	1	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	13	1
3	0	0	0	1	0	550	2	91	1	1	0	0	0	0	6	1	0	0	0	0	0	1
1	0	0	0	1	0	0	333	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	1	0	206	2	252	0	2	0	3	0	0	1	0	1	0	1	0	1	3
0	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	2
0	0	0	0	1	0	1	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	1	0	2	1	0	0	0	158	0	0	0	2	0	0	1	0	0	0	0
19	1	0	0	4	0	8	11	11	0	11	1	138	0	10	20	0	37	3	0	0	11	6
1	0	0	0	0	0	1	0	0	1	4	0	0	57	1	1	0	4	0	0	0	0	1
1	0	0	0	1	0	0	0	0	0	1	0	0	0	107	0	0	1	0	0	0	0	0
8	0	0	0	3	0	2	5	0	0	0	0	1	0	1	618	0	4	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	1	0	5	3	97	0	0	0	174	0	0
5	0	0	0	8	0	0	1	0	1	1	0	0	0	0	0	0	184	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	4	90	0	0	11	2
0	0	0	35	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	36	2	0	0
2	39	0	0	0	1	0	2	0	1	0	0	1	1	8	3	0	2	0	1	259	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0	20

0.7721133828163147

squared_hinge

415	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	102	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0
0	0	63	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	24	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	80	1	0	0
4	0	0	0	207	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	4	0	104	0	0	0	0	0	1	0	0	0	0	0	1	6	0	1	0	0
2	0	0	0	0	0	503	0	144	0	2	0	2	0	1	3	0	0	0	0	0	0	0
3	0	0	0	1	0	2	327	0	2	0	0	0	0	2	1	0	0	0	0	0	0	0
2	0	0	0	0	0	139	1	324	0	1	0	3	0	0	1	0	1	0	0	1	0	1
1	0	0	0	1	0	0	0	0	86	0	0	0	0	0	1	0	0	0	0	0	0	9
0	0	0	0	1	0	2	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	1	0	3	1	0	0	0	137	0	0	0	0	0	0	0	0	0	0	0
10	1	0	1	14	0	9	5	23	0	9	1	152	0	6	13	0	23	8	3	3	0	10
0	0	0	0	0	0	1	0	0	2	3	0	0	58	1	1	0	4	0	0	0	0	1
1	0	0	0	2	0	0	0	1	0	1	0	0	0	105	0	0	0	0	0	0	0	1
10	0	0	0	4	0	4	3	0	0	2	0	1	0	2	612	0	4	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	3	0	7	0	85	1	0	0	184	0	0
5	0	0	0	22	0	2	1	1	1	0	0	0	0	0	0	0	168	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	4	100	0	0	0	4
0	0	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	68	2	0	0
2	8	0	0	0	0	0	2	0	1	4	0	4	2	11	1	0	2	0	1	283	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	1	18	0	0	0	0
2	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	20

0.769260048866272

hinge

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
194	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3	0	0	0	0	1	0	0
5	0	0	0	0	0	0	1	0	1	2	0	0	0	15	22	0	18	0	0	0	0	0
0	0	0	102	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0
7	0	0	0	0	0	0	2	5	2	1	0	1	0	5	3	0	187	0	0	1	0	0
0	0	0	1	0	108	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0
0	0	0	0	0	0	493	1	154	0	0	0	0	0	0	7	1	0	0	0	1	0	0
2	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	176	2	288	0	2	0	2	0	0	2	0	1	0	0	0	0	0
0	0	0	0	0	0	0	1	0	94	0	0	0	1	0	1	0	1	0	0	0	0	0
0	0	0	0	0	0	2	1	0	0	97	0	0	1	0	1	0	2	0	0	0	0	0
300	0	0	0	0	0	4	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
20	0	0	0	0	0	8	8	65	1	2	0	100	1	9	10	0	62	4	0	1	0	0
1	0	0	0	0	0	1	0	0	3	2	0	0	60	1	1	0	2	0	0	0	0	0
2	0	0	0	0	0	0	1	3	0	0	0	1	0	100	0	2	2	0	0	0	0	0
9	0	0	0	0	0	2	5	2	0	0	0	0	0	0	620	0	4	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	0	0	5	1	104	1	0	0	169	0	0
6	0	0	0	0	0	0	1	1	2	5	1	0	0	0	1	0	0	184	0	0	0	0	0
2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	9	98	0	0	0
0	0	0	66	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0	0	2	0	0
3	0	0	1	0	0	0	2	0	2	0	0	3	3	12	1	0	6	0	0	290	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	18	0	0	0	0
2	0	0	0	0	0	0	2	0	17	0	0	0	0	1	0	0	3	1	0	0	0	0

0.6640669703483582

categorical_hinge

416	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	118	0	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	30	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	75	0	0	0	0
2	0	0	0	208	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
0	1	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	11	0	
1	0	0	0	0	0	571	0	82	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
3	0	0	0	1	0	3	329	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	199	1	268	0	0	0	3	0	0	1	0	0	0	0	0	1	0	
1	0	0	0	1	0	0	3	0	92	0	0	0	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	1	0	2	2	0	0	98	0	0	0	0	0	0	0	0	0	0	0	
98	0	0	0	1	0	4	1	0	0	0	202	0	0	0	0	0	0	0	0	0	0	0	
7	1	1	0	13	0	13	9	39	0	4	1	139	0	3	14	0	21	2	8	2	14	0	
0	0	0	0	0	0	1	1	0	3	1	0	0	58	1	1	0	4	0	0	0	1	0	
1	0	0	0	1	0	3	1	0	0	0	0	0	0	103	0	0	2	0	0	0	0	0	
9	0	0	0	6	0	4	4	1	0	0	0	1	0	1	611	0	5	1	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	1	0	1	0	3	2	77	1	0	0	194	0	0	
5	0	0	0	13	0	3	1	0	0	0	0	0	0	1	0	177	1	0	0	0	0	0	
2	0	0	1	0	0	0	1	0	1	0	0	1	0	0	2	0	5	90	0	0	10	0	
0	0	0	17	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	54	2	0	0	
3	39	0	0	1	0	0	5	0	2	0	1	3	2	6	3	0	2	0	1	255	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	20	0	
3	0	0	0	2	0	0	6	1	9	0	0	0	0	0	1	0	1	2	0	0	1	0	

0.7757276296615601

logcosh

416	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
0	101	0	0	0	0	0	0	0	0	0	98	1	0	0	0	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	
0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	95	0	0	0	
3	0	0	0	202	0	0	0	0	1	0	0	0	0	4	1	0	3	0	0	0	0	0	
0	1	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	14	0	
4	0	0	0	2	0	502	0	140	1	0	0	0	0	0	6	1	0	0	0	0	0	1	
2	0	0	0	1	0	1	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	134	1	328	0	2	0	3	0	0	2	0	0	0	0	0	0	1	
1	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	8	
1	0	0	0	1	0	2	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
171	0	0	0	1	0	3	1	0	0	0	128	0	0	0	2	0	0	0	0	0	0	0	
29	2	0	2	8	0	8	6	26	0	4	1	130	0	9	26	0	29	6	1	0	2	2	
0	0	0	0	1	0	1	0	0	1	2	0	1	58	1	1	0	4	0	0	0	0	1	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	1	0	0	0	0	0	
8	0	0	0	3	0	1	3	1	0	0	0	1	0	1	622	0	3	0	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	4	4	131	0	0	0	140	0	0	
5	0	0	0	7	0	1	1	2	0	0	0	0	0	0	1	0	183	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	1	0	0	0	0	3	0	6	93	0	0	4	2	
0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	69	1	0	0	
3	11	0	0	1	1	0	1	0	2	0	1	1	2	7	4	0	3	0	1	283	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0	
2	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	19	

0.7759178280830383

categorical_crossentropy

414	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
0	110	0	0	0	0	0	0	0	0	0	89	0	0	0	1	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	0	0	0	0	
0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	65	1	0	0	
2	0	0	0	208	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	
0	1	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	14	0	
2	0	0	0	1	0	515	1	123	1	2	0	1	0	0	8	1	0	1	0	0	0	1	
1	0	0	0	1	0	1	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	139	1	322	0	2	0	6	0	0	1	0	1	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	88	1	0	0	1	0	1	0	0	0	0	0	0	5	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
144	0	0	0	1	0	3	1	0	0	0	151	0	0	0	6	0	0	0	0	0	0	0	
14	1	0	1	9	0	6	3	28	0	5	1	146	0	6	21	0	32	7	3	1	3	4	
0	0	0	0	1	0	1	0	0	1	2	0	1	57	1	1	0	4	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
8	0	0	0	2	0	2	3	0	0	1	0	2	0	1	620	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	3	3	73	0	0	0	200	0	0	
5	0	0	0	10	0	0	1	0	0	0	0	0	0	0	0	0	184	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	6	96	0	0	4	2	
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	58	2	0	0	
2	25	0	0	0	1	0	2	0	2	1	1	5	1	6	4	0	2	0	1	268	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	22	

0.7783907055854797

kullback_leibler_divergence

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	153	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	82	2	0	
2	0	0	0	203	0	0	1	0	1	0	0	0	0	4	1	0	2	0	0	0	0	0	
0	1	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	13	0	
1	0	0	0	0	0	565	1	80	1	1	0	0	0	1	6	0	0	0	0	0	0	1	
3	0	0	0	0	0	0	331	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	
1	0	0	0	0	0	180	1	284	0	1	0	5	0	0	1	0	0	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3	
0	0	0	0	1	0	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	
64	0	0	0	0	0	3	1	0	0	0	234	0	0	0	3	0	1	0	0	0	0	0	
5	1	1	3	3	0	8	7	18	1	4	2	195	0	8	13	0	11	6	0	0	3	2	
0	0	0	0	0	0	1	1	0	1	2	0	1	60	0	1	0	3	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	109	0	0	1	0	0	0	0	0	
7	0	0	0	2	0	1	4	0	0	0	0	3	0	0	624	0	2	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	2	0	4	1	76	0	0	0	197	0	0	
5	0	0	0	5	0	0	1	0	2	1	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	4	96	0	0	6	1	
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	59	1	0	0	
1	64	0	0	0	1	0	2	0	1	0	0	4	2	6	3	0	1	0	1	234	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	19	0	
0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	23	

0.8078752160072327

poisson

411	0	0	0	1	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	
0	152	0	0	1	0	0	0	0	0	0	46	0	0	0	1	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	83	1	0	0	
2	0	0	0	205	0	1	1	0	1	0	0	0	0	0	1	0	2	0	0	0	1	0	
0	0	1	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	12	1	
1	0	0	0	1	0	541	0	102	3	0	0	0	0	1	6	0	1	0	0	0	0	1	
0	0	0	0	1	0	1	333	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	160	1	305	0	0	0	2	0	0	1	0	3	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	6	
0	0	0	0	1	0	0	2	0	0	100	0	1	0	0	0	0	0	0	0	0	0	0	
94	0	0	0	1	0	2	1	0	0	0	204	0	0	0	3	0	1	0	0	0	0	0	
11	1	0	1	2	0	7	11	25	0	2	2	142	0	5	14	0	48	7	0	2	2	9	
0	0	0	0	0	0	1	2	0	1	1	0	1	59	1	1	0	3	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
8	0	0	0	4	0	2	5	0	0	0	0	2	0	1	613	0	6	1	0	0	0	1	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	72	2	0	0	202	0	0
3	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	188	0	0	0	0	1	
2	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	5	99	0	0	2	2	
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	59	1	0	0	
2	22	0	0	0	0	0	2	0	2	0	0	3	1	3	3	0	5	0	1	275	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	

0.7951303124427795

cosine_proximity

414	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
0	157	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	9	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	95	1	0	0	
2	0	0	0	201	0	1	1	0	1	0	0	0	0	1	0	0	6	0	0	0	1	0	
0	0	0	1	0	100	0	0	0	0	0	0	2	0	0	0	0	2	1	0	0	11	0	
2	0	0	0	2	0	512	2	131	1	0	0	0	0	0	5	1	0	0	0	0	0	1	
0	0	0	0	1	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	133	1	329	0	0	0	4	0	0	1	0	1	1	0	1	0	0	
0	0	0	0	1	0	0	1	0	91	0	0	0	1	0	1	0	1	0	0	0	0	2	
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
77	0	0	0	1	0	3	1	0	0	0	223	0	0	0	0	0	1	0	0	0	0	0	
3	1	0	0	3	0	7	9	19	0	2	2	159	1	4	15	0	46	8	1	4	6	1	
0	0	0	0	0	0	1	1	0	1	1	0	1	59	1	1	0	4	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	1	0	0	0	104	1	1	2	0	0	0	0	0	
8	0	0	0	4	0	2	4	0	0	0	0	1	0	1	616	0	6	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	2	0	73	3	0	0	201	0	0	
5	0	0	0	7	0	2	1	0	0	0	0	0	0	0	0	0	185	1	0	0	0	0	
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	4	101	0	0	3	1	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	1	0	0	
1	25	0	0	0	0	0	3	0	2	0	0	2	3	5	2	0	4	1	1	272	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	19	

0.8004565238952637

SGD

mean_squared_error

0	0	0	0	0	0	217	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0
0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0
0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0
0	0	0	0	1	0	69	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	103	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0
0	0	0	0	0	0	360	0	0	0	0	0	0	0	0	297	0	0	0	0	0	0	0
0	0	0	0	0	0	178	0	0	0	0	0	0	0	0	160	0	0	0	0	0	0	0
0	0	0	0	3	0	215	0	0	0	0	0	0	0	0	256	0	0	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0
0	0	0	0	2	0	185	0	0	0	0	0	0	0	0	119	0	0	0	0	0	0	0
0	0	0	0	0	0	164	0	0	0	0	0	0	0	0	127	0	0	0	0	0	0	0
0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	367	0	0	0	0	0	0	0	0	276	0	0	0	0	0	0	0
0	0	0	0	0	0	137	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0
0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0
0	0	0	0	0	0	39	0	0	0	0	0	0	0	0	74	0	0	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0
0	0	0	0	0	0	154	0	0	0	0	0	0	0	0	169	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0

0.120981551706790 92

mean_absolute_error

0	0	0	0	0	0	330	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0
0	0	0	0	0	0	150	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0
0	0	0	0	0	0	167	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0
0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0
0	0	0	0	0	0	503	0	0	0	0	0	0	0	0	154	0	0	0	0	0	0	0
0	0	0	0	0	0	271	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	0
0	0	0	0	0	0	384	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0
0	0	0	0	0	0	84	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	0	78	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
0	0	0	0	0	0	215	0	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0
0	0	0	0	0	0	219	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0
0	0	0	0	0	0	51	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	0	522	0	0	0	0	0	0	0	0	121	0	0	0	0	0	0	0
0	0	0	0	0	0	220	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0
0	0	0	0	0	0	159	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0
0	0	0	0	0	0	105	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0
0	0	0	0	0	0	252	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0

0.118698880076408 39

mean_absolute_percentage_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	322	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.125166445970535 28

mean_squared_logarithmic_error

0	0	0	0	0	0	98	0	0	0	0	205	0	0	0	110	5	0	0	0	0	0	0
0	0	0	0	0	0	77	0	0	0	0	38	0	0	0	75	10	0	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	7	0	0	0	18	6	0	0	0	0	0	0
0	0	0	0	0	1	64	0	0	0	0	4	0	0	0	35	3	0	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	90	0	0	0	67	0	0	0	0	0	0	0
0	0	0	0	0	1	99	0	0	0	0	4	0	0	0	7	6	0	0	0	0	0	0
0	0	0	0	0	0	386	0	0	0	0	60	0	0	0	203	8	0	0	0	0	0	0
0	0	0	0	0	0	90	0	0	0	0	109	0	0	0	137	2	0	0	0	0	0	0
0	0	0	0	0	3	233	0	0	0	0	41	0	0	0	163	33	0	0	0	0	0	1
0	0	0	0	0	0	40	0	0	0	0	42	0	0	0	14	2	0	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	38	0	0	0	31	1	0	0	0	0	0	0
0	0	0	0	0	0	114	0	0	0	0	109	0	0	0	67	14	0	0	0	0	0	2
0	0	0	0	0	0	142	0	0	0	0	60	0	0	0	81	8	0	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	13	0	0	0	11	6	0	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	26	0	0	0	48	3	0	0	0	0	0	0
0	0	0	0	0	0	342	0	0	0	0	87	0	0	0	199	15	0	0	0	0	0	0
0	0	0	0	0	2	153	0	0	0	0	24	0	0	0	83	21	0	0	0	0	0	0
0	0	0	0	0	0	67	0	0	0	0	69	0	0	0	64	1	0	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	18	0	0	0	54	8	0	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	8	0	0	0	27	17	0	0	0	0	0	0
0	0	0	0	0	0	136	0	0	0	0	27	0	0	0	112	46	0	0	0	0	0	2
0	0	0	0	0	0	9	0	0	0	0	2	0	0	0	8	3	0	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	16	0	0	0	1	1	0	0	0	0	0	0

0.136199355125427 25

squared_hinge

0	0	0	0	0	0	2	0	37	0	0	0	11	0	0	368	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	31	0	0	0	9	0	0	159	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	8	0	15	0	0	0	0	0	0	84	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	14	0	0	0	13	0	0	187	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	12	0	0	0	2	0	0	100	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	135	0	0	0	7	0	0	508	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	24	0	0	0	10	0	0	303	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	145	0	0	0	10	0	0	308	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	20	0	0	0	7	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	94	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	39	0	0	0	19	0	0	243	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	46	0	0	0	5	0	0	233	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	12	0	0	0	2	0	0	52	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	22	0	0	0	2	0	0	87	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	98	0	0	0	9	0	0	533	0	0	0	0	0	0	0
0	0	0	0	0	0	17	0	61	0	0	0	19	0	0	186	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	11	0	0	0	13	0	0	177	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	40	0	0	0	1	0	0	72	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	18	0	0	0	9	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	93	0	0	0	7	0	0	212	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	10	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	22	0	0	0	0	0	0	0

0.131253570318222 05

hinge

0	0	0	0	0	0	417	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	194	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0
0	0	0	0	0	0	61	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
0	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	213	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	105	0	0	0	0	0	0	0	0	2	0	10	0	0	0	0	0
0	0	0	0	0	0	642	0	0	0	0	0	0	0	0	10	0	5	0	0	0	0	0
0	0	0	0	0	0	337	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	451	0	0	0	0	0	0	0	0	13	0	10	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	296	0	0	0	0	0	0	0	0	6	0	4	0	0	0	0	0
0	0	0	0	0	0	281	0	0	0	0	0	0	0	0	3	0	7	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	2	0	5	0	0	0	0	0
0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	634	0	0	0	0	0	0	0	0	5	0	4	0	0	0	0	0
0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	12	0	16	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	0	68	0	0	0	0	0	0	0	0	6	0	2	0	0	0	0	0
0	0	0	0	0	0	297	0	0	0	0	0	0	0	0	14	0	12	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.123073995113372 8

categorical_hinge

101	38	11	0	14	0	6	130	21	8	0	33	2	0	0	11	0	32	0	1	8	0	2	0
35	7	6	0	14	0	12	7	9	8	0	39	2	2	0	15	1	17	0	0	25	0	1	0
16	0	2	2	5	4	5	0	12	3	2	0	1	0	0	3	7	0	0	0	2	0	0	0
11	1	0	7	3	1	29	2	15	2	0	0	3	2	5	2	1	3	3	0	16	0	0	1
8	36	7	2	19	0	45	11	12	0	0	6	1	0	0	52	0	12	0	2	1	0	0	0
2	1	0	0	0	63	4	1	1	0	1	1	0	0	1	23	3	4	1	0	10	1	0	0
35	3	3	26	3	3	183	65	151	4	16	47	51	3	3	25	1	10	11	2	12	0	0	0
91	19	1	4	27	0	3	68	24	2	0	4	2	0	1	64	2	2	0	3	21	0	0	0
10	9	4	22	3	7	157	34	81	6	14	22	43	0	1	25	3	6	11	3	6	1	6	0
25	1	0	1	4	0	0	14	6	3	0	5	4	0	0	30	3	2	0	0	0	0	0	0
9	4	0	0	8	0	6	25	7	2	0	4	4	0	0	21	1	7	0	2	4	0	0	0
81	24	7	0	29	2	9	32	14	9	1	43	7	3	0	12	0	11	0	0	19	1	2	0
27	24	1	4	8	4	84	21	21	7	1	13	16	1	1	26	1	17	5	3	6	0	0	0
8	5	0	0	7	4	3	2	3	1	1	1	0	4	1	13	11	1	5	1	0	0	0	0
13	7	1	8	5	0	12	9	6	3	5	15	1	0	1	2	3	2	0	1	17	0	0	0
64	36	7	17	21	6	67	68	62	2	2	7	35	0	1	100	61	15	9	9	54	0	0	0
1	5	2	0	3	11	38	3	5	5	19	3	3	10	27	29	41	7	2	0	58	11	0	0
14	20	6	0	13	0	33	20	18	1	0	2	4	0	0	44	4	19	0	1	2	0	0	0
22	1	0	0	2	0	0	36	1	11	0	2	1	0	0	16	3	8	0	0	9	1	0	0
4	0	0	0	1	6	27	0	0	1	2	0	11	0	7	2	9	0	2	0	4	0	0	0
23	5	3	1	16	0	35	8	38	11	1	20	5	5	9	13	24	18	0	1	83	4	0	0
4	1	0	0	0	0	0	4	4	1	0	1	0	0	0	2	0	2	0	0	3	0	0	0
3	3	0	4	1	0	0	7	0	0	0	5	0	0	0	2	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.15997716784477234

logcosh

0	0	0	0	0	0	220	0	0	0	0	0	0	0	0	39	122	37	0	0	0	0	0
0	0	0	0	0	0	116	0	0	0	0	0	0	0	0	16	29	39	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	8	5	18	0	0	0	0	0
0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	3	2	20	0	0	0	0	0
0	0	0	0	0	0	120	0	0	0	0	0	0	0	0	20	58	16	0	0	0	0	0
0	0	0	0	0	0	99	0	0	0	0	0	0	0	0	4	1	13	0	0	0	0	0
0	0	0	0	0	0	415	0	0	0	0	0	0	0	0	40	66	136	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	27	65	32	0	0	0	0	0
0	0	0	0	0	0	273	0	0	0	0	0	0	0	0	26	21	154	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	8	28	21	0	0	0	0	0
0	0	0	0	0	0	59	0	0	0	0	0	0	0	0	10	28	7	0	0	0	0	0
0	0	0	0	0	0	158	0	0	0	0	0	0	0	0	23	79	46	0	0	0	0	0
0	0	0	0	0	0	193	0	0	0	0	0	0	0	0	14	35	49	0	0	0	0	0
0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	2	9	14	0	0	0	0	0
0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	7	5	24	0	0	0	0	0
0	0	0	0	0	0	470	0	0	0	0	0	0	0	0	29	32	112	0	0	0	0	0
0	0	0	0	0	0	171	0	0	0	0	0	0	0	0	16	8	88	0	0	0	0	0
0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	21	48	17	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	10	15	44	0	0	0	0	0
0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	9	0	29	0	0	0	0	0
0	0	0	0	0	0	187	0	0	0	0	0	0	0	0	10	21	105	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	1	2	11	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	1	5	5	0	0	0	0	0

0.08921437710523605

categorical_crossentropy

397	0	0	0	1	0	3	3	0	1	0	7	0	0	1	2	0	3	0	0	0	0	0
34	30	0	0	0	0	2	0	0	0	0	127	0	0	0	1	0	0	0	0	5	0	1
0	0	2	3	1	0	0	34	1	0	2	0	0	0	4	6	3	5	0	0	3	0	0
1	1	3	20	2	4	0	16	13	0	3	0	28	0	0	6	0	0	0	0	10	0	0
5	0	0	0	175	0	0	5	0	0	0	0	0	0	1	1	0	27	0	0	0	0	0
0	0	0	0	0	96	0	5	0	0	0	0	0	1	0	0	3	0	8	0	4	0	0
1	0	1	0	3	0	568	2	70	0	0	2	5	0	1	4	0	0	0	0	0	0	0
23	0	0	0	3	0	4	281	0	4	1	0	0	0	2	14	0	6	0	0	0	0	0
1	0	0	0	3	0	296	4	152	0	0	2	15	0	0	1	0	0	0	0	0	0	0
5	0	0	0	2	0	0	37	1	44	0	0	0	0	0	5	0	4	0	0	0	0	0
10	0	0	0	3	0	2	54	0	1	13	0	0	0	0	9	0	11	1	0	0	0	0
101	20	0	0	3	0	5	0	0	0	1	168	1	0	3	1	0	0	1	0	2	0	0
13	0	0	3	39	0	40	34	40	0	4	4	69	0	3	21	1	16	2	0	2	0	0
3	0	0	0	0	1	1	7	0	3	1	0	4	28	0	10	2	4	6	0	1	0	0
4	0	1	0	0	0	1	10	0	0	0	1	0	0	89	1	3	0	0	0	1	0	0
12	1	0	0	6	0	6	19	1	0	0	0	0	0	2	587	0	9	0	0	0	0	0
0	2	0	1	0	0	1	2	1	0	1	0	3	0	1	2	117	0	0	0	152	0	0
8	0	0	0	69	0	2	9	0	2	0	0	0	0	0	0	0	111	0	0	0	0	0
7	0	0	0	0	0	0	11	0	0	4	0	0	0	0	5	0	21	63	1	0	0	1
0	0	7	17	0	0	0	1	0	0	0	0	26	1	0	8	0	1	1	0	14	0	0
21	22	0	0	1	0	0	12	0	1	7	6	2	0	11	8	2	1	1	0	228	0	0
0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	9	7	0	0	0	0	0
8	0	0	0	1	0	0	8	0	5	0	0	0	0	0	0	0	3	1	0	0	0	0

0.6159406304359436

kullback_leibler_divergence

397	0	0	0	1	0	2	1	1	1	0	8	0	0	2	2	0	3	0	0	0	0	0
54	32	0	0	0	0	2	0	0	1	0	105	0	0	0	2	0	0	0	0	4	0	0
0	0	1	3	3	0	0	21	2	0	7	0	0	0	2	12	3	8	0	0	2	0	0
1	1	1	20	2	8	0	11	11	0	3	0	28	0	0	8	0	0	0	0	13	0	0
8	0	0	0	183	0	0	4	0	0	0	0	0	0	1	3	0	15	0	0	0	0	0
0	0	0	1	0	96	0	5	0	0	0	0	0	2	0	0	2	1	7	0	3	0	0
0	0	0	0	4	0	478	2	159	0	0	2	7	0	1	4	0	0	0	0	0	0	0
25	0	0	0	3	0	4	271	0	4	1	0	0	0	3	22	0	5	0	0	0	0	0
1	0	0	0	2	0	229	4	215	0	1	0	20	0	1	1	0	0	0	0	0	0	0
6	0	0	0	2	0	0	27	0	45	1	0	0	0	0	10	0	4	0	0	0	0	3
12	0	0	0	2	0	2	49	0	0	14	0	0	0	0	14	0	11	0	0	0	0	0
123	18	0	0	3	0	3	0	1	0	1	149	1	0	3	1	0	1	0	0	2	0	0
14	0	0	3	42	2	28	25	53	0	6	3	74	0	3	20	1	12	1	1	3	0	0
2	0	0	2	0	3	1	4	0	5	1	0	7	15	0	17	1	4	2	0	6	0	1
4	0	0	0	1	0	1	8	0	0	0	0	0	0	91	1	4	0	0	0	1	0	0
15	0	0	0	7	7	5	20	1	0	0	0	1	0	1	572	1	13	0	0	0	0	0
0	3	0	1	0	0	1	2	1	0	1	0	5	2	1	2	126	0	0	0	138	0	0
10	0	0	0	68	0	1	11	1	2	0	0	0	0	0	2	0	106	0	0	0	0	0
8	0	0	0	0	0	0	13	0	1	4	0	0	0	0	9	0	29	46	1	0	1	1
0	0	4	19	0	0	0	1	0	0	0	0	29	1	0	12	1	0	0	0	9	0	0
29	24	0	0	1	0	0	6	0	1	7	2	1	0	8	10	2	1	0	0	231	0	0
1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	2	0	8	5	0	0	0	0
8	0	0	0	1	0	0	7	0	7	0	0	0	0	0	0	0	3	0	0	0	0	0

0.6014837622642517

poisson

0	0	0	0	0	0	56	0	3	0	0	0	1	0	0	358	0	0	0	0	0	0	0
0	0	0	0	0	0	41	0	2	0	0	0	9	0	0	148	0	0	0	0	0	0	0
0	0	0	0	0	0	25	0	7	0	0	0	0	0	0	32	0	0	0	0	0	0	0
0	0	0	0	0	0	83	0	1	0	0	0	2	0	0	21	0	0	0	0	0	0	0
1	0	0	0	0	0	51	0	0	0	0	0	0	0	0	162	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	4	0	0	0	2	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	0	391	0	16	0	0	0	2	0	0	248	0	0	0	0	0	0	0
0	0	0	0	0	0	88	0	2	0	0	0	0	0	0	248	0	0	0	0	0	0	0
1	0	0	0	0	0	306	0	22	0	0	0	20	0	0	125	0	0	0	0	0	0	0
2	0	0	0	0	0	35	0	2	0	0	0	2	0	0	57	0	0	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0
0	0	0	0	0	0	60	0	7	0	0	0	8	0	0	231	0	0	0	0	0	0	0
0	0	0	0	0	0	137	0	5	0	0	0	5	0	0	144	0	0	0	0	0	0	0
0	0	0	0	0	0	33	0	3	0	0	0	4	0	0	31	0	0	0	0	0	0	0
0	0	0	0	0	0	61	0	1	0	0	0	3	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	374	0	6	0	0	0	6	0	0	257	0	0	0	0	0	0	0
0	0	0	0	0	0	220	0	5	0	0	0	16	0	0	42	0	0	0	0	0	0	0
0	0	0	0	0	0	43	0	0	0	0	0	2	0	0	156	0	0	0	0	0	0	0
0	0	0	0	0	0	61	0	3	0	0	0	3	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	33	0	3	0	0	0	15	0	0	25	0	0	0	0	0	0	0
1	0	0	0	0	0	182	0	17	0	0	0	34	0	0	89	0	0	0	0	0	0	0
0	0	0	0	0	0	15	0	3	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	1	0	0	0	1	0	0	20	0	0	0	0	0	0	0

0.12840022146701813

cosine_proximity

200	0	0	0	0	0	26	0	4	0	0	0	0	0	0	187	0	0	0	0	1	0	0
31	0	0	0	0	0	16	0	1	0	0	0	1	0	0	149	0	0	0	0	2	0	0
3	0	0	0	0	0	29	0	12	0	0	0	0	0	0	20	0	0	0	0	0	0	0
1	0	0	0	0	11	56	0	9	0	0	0	2	0	0	28	0	0	0	0	0	0	0
67	0	0	0	1	0	131	0	1	0	0	0	0	0	0	14	0	0	0	0	0	0	0
1	0	0	0	0	81	2	0	9	0	0	0	1	0	0	23	0	0	0	0	0	0	0
31	0	0	0	0	7	483	0	90	0	0	0	0	0	0	46	0	0	0	0	0	0	0
103	0	0	0	0	0	57	0	9	0	0	0	0	0	0	168	0	0	0	0	1	0	0
15	0	0	0	0	13	331	0	83	0	0	0	0	0	0	31	0	0	0	0	1	0	0
37	0	0	0	0	0	2	0	17	0	0	0	1	0	0	41	0	0	0	0	0	0	0
35	0	0	0	0	0	13	0	1	0	0	0	0	0	0	55	0	0	0	0	0	0	0
98	0	0	0	0	2	32	0	3	0	0	0	2	0	0	165	0	0	0	0	4	0	0
32	0	0	0	0	6	194	0	16	0	0	1	0	0	0	42	0	0	0	0	0	0	0
5	0	0	0	0	1	3	0	3	0	0	0	2	0	0	54	0	0	0	0	3	0	0
21	0	0	0	0	0	34	0	17	0	0	0	1	0	0	30	0	0	0	0	0	0	0
43	0	0	0	0	13	46	0	101	0	0	0	2	0	0	436	0	0	0	0	2	0	0
6	0	0	0	0	12	39	0	33	0	0	0	7	0	0	182	0	0	0	0	4	0	0
68	0	0	0	0	1	94	0	4	0	0	0	0	0	0	34	0	0	0	0	0	0	0
13	0	0	0	0	0	7	0	27	0	0	0	1	0	0	65	0	0	0	0	0	0	0
0	0	0	0	0	1	35	0	4	0	0	0	4	0	0	32	0	0	0	0	0	0	0
19	0	0	0	1	8	52	0	20	0	0	0	24	0	0	194	0	0	0	0	5	0	0
3	0	0	0	0	0	4	0	13	0	0	0	0	0	0	2	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	16	0	0	0	0	1	0	0

Adagrad

mean_squared_error

396	0	0	0	3	0	3	3	1	1	0	7	0	0	1	1	0	2	0	0	0	0	0	
38	45	0	0	1	0	2	0	0	0	0	108	0	1	0	2	0	0	0	0	3	0	0	
0	0	5	2	1	0	0	24	1	1	4	0	1	0	4	6	0	9	0	1	4	1	0	
0	1	1	26	2	2	0	9	10	1	3	0	27	1	0	7	0	0	1	3	13	0	0	
6	0	1	0	189	0	0	4	0	0	0	0	0	0	1	1	0	12	0	0	0	0	0	
0	1	0	0	0	91	0	4	0	0	0	0	1	1	0	0	2	1	11	0	5	0	0	
0	0	0	0	0	0	567	0	83	0	0	1	3	0	1	2	0	0	0	0	0	0	0	
16	0	0	0	2	0	2	308	1	0	0	0	0	0	2	5	0	2	0	0	0	0	0	
0	0	0	0	1	0	262	4	190	0	0	1	15	0	0	0	0	0	0	0	1	0	0	
15	0	0	0	2	0	0	50	1	23	1	0	0	0	0	3	0	3	0	0	0	0	0	
9	0	0	0	4	0	2	53	0	0	12	0	0	0	0	10	0	12	2	0	0	0	0	
110	30	0	0	2	0	4	1	0	0	0	152	1	0	1	2	0	1	0	0	2	0	0	
11	1	0	2	46	0	19	24	66	0	6	2	81	0	2	17	0	9	2	0	2	1	0	
3	0	1	1	0	0	1	3	0	7	3	0	9	14	0	5	2	3	5	0	14	0	0	
2	0	1	0	1	0	2	8	1	0	0	0	0	0	91	1	3	0	0	0	1	0	0	
12	1	0	0	7	1	4	17	4	0	0	1	0	0	2	586	0	6	0	2	0	0	0	
0	0	0	1	0	0	1	2	2	0	1	0	6	0	1	2	144	0	0	0	123	0	0	
8	0	0	0	86	0	2	4	1	0	0	0	0	0	0	4	0	95	0	1	0	0	0	
7	0	0	0	0	0	0	12	1	0	4	0	0	0	0	5	0	21	61	0	0	2	0	
0	0	1	20	0	0	0	0	1	0	0	0	34	0	0	2	5	0	1	0	12	0	0	
18	12	0	0	1	0	0	8	0	3	9	2	2	1	8	9	0	1	3	0	246	0	0	
1	0	0	0	1	0	0	3	0	0	0	0	0	0	0	1	0	7	7	0	0	2	0	
8	0	0	0	1	0	0	12	0	1	0	0	0	1	0	0	0	2	1	0	0	0	0	

0.6322997808456421

mean_absolute_error

400	0	0	0	0	0	4	13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
151	0	0	0	0	0	4	21	0	0	0	0	5	0	0	5	0	0	0	0	14	0	0	
4	0	0	0	0	0	0	47	0	0	0	0	2	0	0	8	0	0	0	0	3	0	0	
3	0	0	0	0	3	0	5	0	0	0	0	41	0	0	2	0	0	0	0	53	0	0	
100	0	0	0	0	0	0	96	0	0	0	0	1	0	0	16	0	0	0	0	1	0	0	
1	0	0	0	0	92	0	8	0	0	0	0	2	0	0	1	4	0	0	0	9	0	0	
0	0	0	0	0	0	634	0	0	0	0	0	22	0	0	0	1	0	0	0	0	0	0	
172	0	0	0	0	0	3	149	0	0	0	0	0	0	0	12	0	0	0	0	2	0	0	
3	0	0	0	0	0	430	1	0	0	0	0	39	0	0	0	0	0	0	0	1	0	0	
70	0	0	0	0	0	0	23	0	0	0	0	1	0	0	2	0	0	0	0	2	0	0	
42	0	0	0	0	0	2	54	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
249	0	0	0	0	2	6	26	0	0	0	0	1	0	0	8	0	0	0	0	14	0	0	
58	0	0	0	0	1	33	46	0	0	0	0	114	0	0	15	1	0	0	0	23	0	0	
5	0	0	0	0	0	1	14	0	0	0	0	3	0	0	5	2	0	0	0	41	0	0	
47	0	0	0	0	0	2	35	0	0	0	0	0	0	0	2	6	0	0	0	19	0	0	
7	0	0	0	0	0	2	29	0	0	0	0	9	0	0	595	1	0	0	0	0	0	0	
2	0	0	0	0	0	2	3	0	0	0	0	7	0	0	2	160	0	0	0	107	0	0	
71	0	0	0	0	0	2	116	0	0	0	0	1	0	0	11	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	77	0	0	0	0	1	0	0	9	0	0	0	0	1	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	37	0	0	3	0	0	0	0	35	0	0	
33	0	0	0	0	0	1	64	0	0	0	0	2	0	0	2	3	0	0	0	218	0	0	
3	0	0	0	0	0	0	18	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.44930568337440 49

mean_absolute_percentage_error

412	0	0	0	0	0	4	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
173	0	0	0	0	0	3	0	0	0	0	0	18	0	0	6	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	84	0	0	12	0	0	0	0	0	0	0	
186	0	0	0	0	0	0	0	0	0	0	0	1	0	0	27	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	96	0	0	13	0	0	0	0	0	0	0	
2	0	0	0	0	0	635	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	
313	0	0	0	0	0	3	0	0	0	0	0	1	0	0	21	0	0	0	0	0	0	0	
6	0	0	0	0	0	436	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	
93	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	0	0	
86	0	0	0	0	0	2	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	
278	0	0	0	0	0	6	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	0	
116	0	0	0	0	0	22	0	0	0	0	0	132	0	0	21	0	0	0	0	0	0	0	
23	0	0	0	0	0	1	0	0	0	0	0	21	0	0	26	0	0	0	0	0	0	0	
101	0	0	0	0	0	2	0	0	0	0	0	2	0	0	6	0	0	0	0	0	0	0	
13	0	0	0	0	0	1	0	0	0	0	0	9	0	0	620	0	0	0	0	0	0	0	
9	0	0	0	0	0	2	0	0	0	0	0	223	0	0	49	0	0	0	0	0	0	0	
168	0	0	0	0	0	1	0	0	0	0	0	1	0	0	31	0	0	0	0	0	0	0	
81	0	0	0	0	0	0	0	0	0	0	0	3	0	0	29	0	0	0	0	0	0	0	
3	0	0	0	0	0	1	0	0	0	0	0	65	0	0	7	0	0	0	0	0	0	0	
160	0	0	0	0	0	1	0	0	0	0	0	121	0	0	41	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.3422103822231293

mean_squared_logarithmic_error

401	0	0	0	1	0	2	1	0	1	0	8	0	0	1	1	0	2	0	0	0	0	0	
16	63	0	0	0	0	2	0	0	0	0	116	0	0	0	2	0	0	0	0	1	0	0	
0	0	21	3	2	0	0	13	1	1	4	0	0	0	0	2	4	0	8	0	0	1	4	0
1	1	0	52	1	1	0	6	10	0	4	0	12	2	0	3	0	0	0	3	11	0	0	
6	0	0	0	190	0	0	1	0	1	0	0	0	0	3	1	0	12	0	0	0	0	0	
0	0	0	1	0	93	0	3	0	0	0	0	0	2	0	1	2	1	11	0	3	0	0	
0	0	0	0	4	0	531	0	110	0	0	1	6	0	1	4	0	0	0	0	0	0	0	
10	0	0	0	0	0	3	314	0	3	0	0	0	0	2	6	0	0	0	0	0	0	0	
2	0	0	0	2	0	225	1	223	0	0	0	18	0	0	1	0	1	0	0	1	0	0	
3	0	0	0	2	0	0	9	0	78	0	0	0	0	0	1	0	3	0	0	0	0	2	
12	0	0	1	3	0	2	19	0	1	39	0	0	0	0	11	0	13	1	0	1	0	1	
109	19	0	0	2	0	3	1	0	0	1	167	1	0	1	1	0	0	0	0	1	0	0	
13	1	3	3	36	0	17	8	58	3	11	2	100	0	2	20	0	9	2	0	0	2	1	
2	0	2	1	1	0	1	1	0	1	2	0	3	49	1	1	0	3	1	0	0	1	1	
1	0	0	0	0	0	0	5	1	0	1	0	0	0	102	1	0	0	0	0	0	0	0	
12	1	0	0	6	0	4	10	3	2	0	1	1	0	1	593	0	6	1	0	1	1	0	
0	0	0	2	0	0	1	2	1	0	1	0	2	0	2	0	98	0	0	0	174	0	0	
8	0	0	0	77	0	2	3	0	2	0	0	0	0	0	3	0	106	0	0	0	0	0	
6	0	0	0	0	0	0	5	0	0	2	0	1	0	0	5	0	16	72	0	0	6	0	
0	1	3	47	0	0	0	0	0	0	0	0	7	3	0	2	1	0	1	0	11	0	0	
13	18	0	0	1	0	0	5	1	0	7	1	1	1	9	7	1	1	0	0	257	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	8	4	0	0	8	0	
11	0	0	0	1	0	0	5	0	4	0	0	0	0	0	0	0	2	1	0	0	0	2	

0.6770020723342896

squared_hinge

404	0	0	0	2	0	5	2	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	
36	0	0	0	0	0	3	0	0	0	0	156	0	0	0	2	0	0	0	0	3	0	0	
0	0	0	0	3	0	0	52	1	0	0	0	1	0	0	6	0	0	1	0	0	0	0	
1	0	0	0	2	3	0	16	3	0	0	0	52	0	0	5	0	0	2	0	23	0	0	
4	0	0	0	204	0	1	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	93	0	7	0	0	0	0	0	0	0	0	3	0	7	0	7	0	0	
0	0	0	0	0	0	497	2	152	0	0	1	3	0	0	2	0	0	0	0	0	0	0	
14	0	0	0	2	0	3	306	1	0	0	0	0	0	0	11	0	0	1	0	0	0	0	
0	0	0	0	0	0	203	5	249	0	0	0	16	0	0	0	0	0	1	0	0	0	0	
5	0	0	0	4	0	0	86	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	
8	0	0	0	7	0	2	69	0	0	0	0	0	0	0	11	0	0	7	0	0	0	0	
102	0	0	0	1	0	4	0	0	0	0	194	1	0	0	1	0	0	1	0	2	0	0	
12	0	0	0	33	1	15	50	48	0	0	3	106	0	0	18	0	0	0	0	5	0	0	
3	0	0	0	1	0	1	9	0	0	0	0	8	0	0	12	2	0	5	0	30	0	0	
15	0	0	0	3	0	0	60	3	0	0	0	0	0	0	1	15	0	0	0	14	0	0	
10	0	0	0	8	1	3	27	2	0	0	0	3	0	0	569	1	0	18	0	1	0	0	
0	0	0	0	0	0	1	4	1	0	0	0	5	0	0	1	95	0	0	0	176	0	0	
8	0	0	0	169	0	2	12	1	0	0	0	0	0	0	5	0	0	4	0	0	0	0	
7	0	0	0	7	0	0	26	0	0	0	0	1	0	0	11	0	0	61	0	0	0	0	
0	0	0	0	0	0	0	1	1	0	0	0	45	0	0	4	1	0	4	0	20	0	0	
25	0	0	0	2	0	0	18	0	0	0	6	3	0	0	8	0	0	4	0	257	0	0	
0	0	0	0	6	0	0	4	0	0	0	0	0	0	0	2	0	0	10	0	0	0	0	
7	0	0	0	3	0	0	15	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	

0.5773254632949829

hinge

412	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
155	0	0	0	0	0	5	0	0	0	0	0	6	0	0	7	0	0	0	0	27	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	3	0	0	14	0	0	0	0	26	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	49	0	0	2	0	0	0	0	52	0	0	
189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	1	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	53	0	0	5	0	0	0	0	55	0	0	
2	0	0	0	0	0	634	0	0	0	0	0	19	0	0	1	0	0	0	0	1	0	0	
304	0	0	0	0	0	2	0	0	0	0	0	0	0	0	23	0	0	0	0	9	0	0	
5	0	0	0	0	0	441	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	
93	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	2	0	0	
81	0	0	0	0	0	2	0	0	0	0	0	0	0	0	15	0	0	0	0	6	0	0	
255	0	0	0	0	0	6	0	0	0	0	0	4	0	0	14	0	0	0	0	27	0	0	
103	0	0	0	0	0	31	0	0	0	0	0	98	0	0	19	0	0	0	0	40	0	0	
8	0	0	0	0	0	1	0	0	0	0	0	3	0	0	6	0	0	0	0	53	0	0	
68	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	38	0	0	
14	0	0	0	0	0	2	0	0	0	0	0	6	0	0	619	0	0	0	0	2	0	0	
2	0	0	0	0	0	2	0	0	0	0	0	9	0	0	4	0	0	0	0	266	0	0	
167	0	0	0	0	0	2	0	0	0	0	0	1	0	0	27	0	0	0	0	4	0	0	
72	0	0	0	0	0	0	0	0	0	0	0	1	0	0	22	0	0	0	0	18	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	34	0	0	3	0	0	0	0	38	0	0	
52	0	0	0	0	0	1	0	0	0	0	0	3	0	0	7	0	0	0	0	260	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	7	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.38482025265693665

categorical_hinge

413	0	0	0	1	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
30	78	0	0	0	0	1	0	0	0	0	78	4	0	1	5	0	1	0	0	2	0	0
0	0	47	0	1	0	0	3	0	1	1	1	0	0	1	2	0	7	0	0	0	0	0
0	2	0	91	0	0	0	3	4	0	0	0	2	0	0	1	0	2	0	0	2	0	0
1	0	0	0	200	0	1	0	0	1	0	0	0	0	0	1	0	10	0	0	0	0	0
1	0	0	1	0	104	0	0	0	0	0	0	1	0	0	0	0	1	7	0	2	0	0
0	0	0	0	1	0	575	1	67	0	0	0	4	0	0	8	1	0	0	0	0	0	0
4	0	0	0	1	0	2	327	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	1	0	262	3	191	0	0	1	9	0	0	4	0	1	0	0	0	0	0
4	0	0	0	1	0	0	4	0	86	0	0	0	0	0	1	0	2	0	0	0	0	0
17	0	0	0	2	0	2	3	0	2	57	0	0	0	0	7	0	12	1	0	1	0	0
134	28	0	0	3	0	4	1	0	0	1	124	3	0	2	5	0	1	0	0	0	0	0
29	0	4	3	25	0	16	3	20	1	10	6	130	0	2	14	0	26	1	0	1	0	0
1	0	1	0	0	0	1	1	0	6	2	0	1	52	1	0	1	1	1	0	2	0	0
3	0	0	0	3	0	1	2	0	0	2	0	0	0	97	1	1	1	0	0	0	0	0
11	0	0	0	3	0	3	5	0	0	0	0	2	0	1	618	0	0	0	0	0	0	0
0	0	0	2	0	0	1	1	1	0	2	0	2	0	1	1	143	1	0	0	128	0	0
7	0	0	0	93	0	2	1	0	2	0	0	0	0	1	1	0	94	0	0	0	0	0
11	0	0	0	0	0	0	4	0	1	4	0	1	0	0	3	0	12	77	0	0	0	0
0	0	0	64	0	0	0	0	1	0	0	0	1	5	0	1	0	0	0	0	4	0	0
9	20	0	1	1	0	0	5	0	1	13	2	5	5	8	1	1	4	1	0	246	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	9	0	0	0	0
9	0	0	0	1	0	0	2	0	12	0	0	0	0	0	0	0	2	0	0	0	0	0

0.713334619989319

logcosh

403	0	0	0	1	0	3	1	1	1	0	5	0	0	1	1	0	1	0	0	0	0	0
19	53	0	0	0	0	2	0	1	0	0	120	0	0	0	2	0	1	0	0	2	0	0
0	0	9	0	1	0	0	36	1	1	2	0	3	0	0	2	0	9	0	0	0	0	0
1	1	3	62	0	1	0	14	1	1	3	0	3	0	0	4	0	1	0	7	5	0	0
4	0	0	0	198	0	0	1	0	0	0	0	0	0	1	0	0	10	0	0	0	0	0
0	0	0	0	0	93	0	5	0	0	0	0	0	2	0	0	2	1	10	0	4	0	0
0	0	0	0	0	0	522	1	129	0	0	1	1	0	1	2	0	0	0	0	0	0	0
15	0	0	0	1	0	3	298	1	5	1	0	0	0	2	8	0	4	0	0	0	0	0
1	0	0	0	0	0	220	3	233	0	0	0	16	0	0	0	0	0	0	0	1	0	0
9	0	0	0	2	0	0	25	0	59	0	0	0	0	0	1	0	2	0	0	0	0	0
12	0	0	0	3	0	2	43	0	3	19	0	0	0	0	7	0	14	1	0	0	0	0
120	23	0	0	2	0	4	0	0	0	0	149	1	0	1	3	0	1	0	0	2	0	0
15	1	6	3	26	0	17	27	51	6	8	4	91	0	2	15	0	16	0	0	2	1	0
3	0	0	0	1	0	1	5	0	4	2	0	5	39	0	0	2	4	2	0	3	0	0
1	0	0	0	1	0	0	7	1	0	0	0	0	0	100	1	0	0	0	0	0	0	0
13	0	0	0	4	0	4	15	3	2	0	0	2	0	0	592	1	6	1	0	0	0	0
0	0	0	1	0	0	1	2	1	0	1	0	4	0	1	1	113	0	0	0	158	0	0
9	0	0	1	73	0	2	4	1	2	0	0	0	0	0	2	0	107	0	0	0	0	0
6	0	0	1	0	0	0	12	0	2	3	0	0	0	0	2	0	18	65	1	0	3	0
0	0	6	46	0	0	0	1	0	0	1	0	4	1	0	3	0	1	1	0	12	0	0
14	18	0	0	0	0	0	10	0	2	9	3	4	1	9	4	0	1	1	0	247	0	0
0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	1	0	9	4	0	0	4	0
10	0	0	0	1	0	0	8	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0

0.6574091911315918

categorical_crossentropy

399	0	0	0	2	0	2	2	0	1	0	8	0	0	2	1	0	1	0	0	0	0	0
28	57	0	0	0	0	2	0	0	0	0	107	1	0	0	3	0	0	0	0	2	0	0
0	0	6	1	1	0	0	41	0	1	2	0	0	0	2	5	0	4	0	0	0	1	0
1	1	0	61	2	0	0	4	6	0	4	0	17	0	0	3	0	0	0	2	6	0	0
4	0	0	0	190	0	0	3	0	0	1	0	0	0	1	1	0	14	0	0	0	0	0
0	0	0	0	0	97	0	4	0	0	0	0	0	2	0	0	1	0	11	0	2	0	0
1	1	0	0	2	0	516	1	125	0	0	1	5	0	1	4	0	0	0	0	0	0	0
12	0	0	0	1	0	2	305	0	3	1	0	0	0	2	9	0	2	0	0	0	0	1
2	0	0	0	1	0	244	5	202	0	1	1	18	0	0	0	0	0	0	0	0	0	0
1	0	0	0	2	0	0	15	0	74	0	0	0	0	0	1	0	1	0	0	0	0	4
8	0	0	0	4	0	2	37	0	1	31	0	0	0	0	11	0	8	0	0	0	0	2
111	24	0	0	2	0	4	0	0	0	2	155	1	0	1	3	0	0	0	0	2	0	1
13	1	0	1	33	0	19	24	60	0	12	3	85	0	2	20	0	15	1	0	0	1	1
2	0	1	0	0	1	1	4	0	1	1	0	3	48	0	1	0	4	1	0	1	1	1
1	0	0	0	2	0	1	6	0	0	0	0	0	0	97	1	2	0	0	0	1	0	0
11	1	0	0	6	0	3	17	1	2	2	1	1	0	2	588	0	7	1	0	0	0	0
0	0	0	0	0	0	1	2	1	0	1	0	4	2	1	2	138	0	0	1	130	0	0
7	0	0	0	86	0	0	4	0	2	0	0	1	0	0	2	0	99	0	0	0	0	0
3	0	0	0	0	0	0	11	0	0	4	0	0	0	0	3	0	13	76	0	0	2	1
0	0	2	46	0	0	0	0	0	0	0	0	14	3	0	2	0	0	0	0	9	0	0
13	21	0	0	1	0	0	6	0	1	9	3	3	1	9	8	0	2	0	0	246	0	0
0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	5	6	0	0	6	0
3	0	0	0	1	0	0	6	0	9	0	0	0	0	0	0	0	2	0	0	0	0	5

0.6621647477149963

kullback_leibler_divergence

398	0	0	0	2	0	2	1	0	2	1	8	0	0	1	1	0	2	0	0	0	0	0
30	53	0	0	0	0	1	0	1	0	0	112	0	0	0	2	0	0	0	0	1	0	0
0	0	27	0	1	0	0	13	1	0	3	0	0	0	0	4	0	12	0	0	1	2	0
1	1	1	76	4	0	0	2	6	0	3	0	2	0	0	2	0	1	0	3	5	0	0
5	0	0	0	191	0	0	3	0	0	0	0	0	0	0	1	1	0	13	0	0	0	0
0	0	0	1	0	97	0	4	0	0	0	0	0	1	0	0	1	0	12	0	1	0	0
4	1	0	0	3	0	507	1	128	0	1	1	6	0	1	4	0	0	0	0	0	0	0
10	0	0	0	0	0	3	311	0	1	1	0	0	0	2	7	0	2	0	0	0	0	1
2	0	0	0	1	0	214	3	230	0	1	1	20	0	1	0	0	0	0	0	1	0	0
3	0	0	0	3	0	0	11	0	74	0	0	0	0	0	1	0	2	0	0	0	0	4
13	0	0	0	3	0	2	17	0	1	46	0	0	0	0	0	10	0	10	0	0	1	0	1
120	34	0	0	2	0	4	1	1	0	1	136	0	0	2	2	0	1	0	0	2	0	0
22	0	5	5	36	0	21	11	58	2	10	3	65	0	3	21	0	23	3	0	1	2	0
2	0	2	1	0	2	1	3	0	2	1	0	2	45	1	2	0	4	2	0	0	0	1
3	1	0	0	2	0	0	4	0	0	1	0	0	0	98	1	1	0	0	0	0	0	0
11	2	0	0	6	0	2	16	2	3	2	1	2	0	2	582	0	11	1	0	0	0	0
0	0	0	3	0	0	1	2	1	0	1	0	1	2	1	2	105	0	0	0	164	0	0
8	0	0	0	84	0	1	4	1	2	1	0	0	0	0	0	0	100	0	0	0	0	0
5	0	0	0	0	0	0	5	0	1	1	0	0	0	0	2	0	13	82	0	0	3	1
0	0	4	48	0	0	0	0	0	0	0	0	10	4	0	2	0	0	0	0	8	0	0
17	23	0	0	1	0	0	6	0	0	10	3	3	1	9	5	0	1	0	0	244	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	5	0	0	10	0
8	0	0	0	1	0	0	4	0	6	0	0	0	0	0	0	0	3	0	0	0	0	4

0.6621647477149963

poisson

399	0	0	0	2	0	1	2	0	1	0	9	0	0	1	1	0	2	0	0	0	0	0
30	46	0	0	0	0	1	0	1	0	0	119	0	0	0	2	0	0	0	0	1	0	0
0	0	16	1	1	0	0	22	0	2	3	0	0	0	3	4	0	7	0	1	2	2	0
1	1	1	31	1	0	0	6	5	0	2	0	45	0	0	4	0	0	0	3	7	0	0
5	0	0	0	186	0	0	3	0	0	0	0	0	0	1	0	0	19	0	0	0	0	0
0	0	0	1	0	98	0	4	0	0	0	0	0	1	0	0	0	1	10	0	2	0	0
1	1	0	0	2	0	533	1	109	0	0	1	4	0	1	4	0	0	0	0	0	0	0
13	0	0	0	1	0	2	302	0	4	1	0	0	0	2	10	0	3	0	0	0	0	0
1	0	0	0	1	0	230	6	222	0	1	1	12	0	0	0	0	0	0	0	0	0	0
1	0	0	0	3	0	0	16	0	72	0	0	0	0	0	1	0	2	0	0	0	0	3
9	0	0	0	3	0	2	35	0	2	34	0	0	0	0	9	0	9	1	0	0	0	0
114	20	0	0	3	0	3	1	0	0	2	157	1	0	1	1	0	1	0	0	2	0	0
15	0	0	4	36	0	15	33	41	0	9	4	93	0	3	19	0	15	2	0	0	1	1
2	0	3	0	1	1	1	5	0	1	1	0	3	47	0	1	0	2	2	0	0	0	1
1	1	1	0	1	0	0	6	1	0	1	0	0	0	94	1	3	0	0	0	1	0	0
13	1	0	0	4	1	2	17	2	2	1	0	1	0	1	589	0	7	2	0	0	0	0
0	0	0	1	0	0	1	2	1	0	1	0	3	0	2	1	135	0	0	0	136	0	0
7	0	0	0	91	0	1	5	1	1	0	0	1	0	0	0	0	93	1	0	0	0	0
5	0	0	0	0	0	0	8	0	2	3	0	0	0	1	3	0	14	72	0	0	4	1
0	1	3	15	0	0	0	0	0	0	0	0	46	1	0	3	0	0	0	0	7	0	0
9	22	1	0	1	0	0	10	0	1	11	3	2	2	8	6	0	2	0	0	244	0	1
0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	5	4	0	0	9	0
4	0	0	0	1	0	0	7	0	6	0	0	0	0	0	0	0	2	1	0	0	0	5

0.6614038348197937

cosine_proximity

399	0	0	0	1	0	3	0	1	3	0	7	0	0	2	1	0	1	0	0	0	0	0
29	49	0	0	0	0	1	0	1	0	0	119	0	0	0	1	0	0	0	0	0	0	0
1	0	22	0	0	0	0	29	1	1	1	0	0	0	0	2	0	6	0	0	0	1	0
1	2	0	68	2	1	0	2	2	0	2	0	4	0	0	2	0	0	0	15	6	0	0
4	0	0	0	193	0	0	1	0	0	0	0	0	0	0	2	0	0	14	0	0	0	0
0	0	0	1	0	93	0	3	0	0	0	0	1	1	0	0	2	1	11	0	4	0	0
0	0	0	0	1	0	526	0	120	0	0	1	5	0	1	3	0	0	0	0	0	0	0
9	0	0	0	2	0	3	305	1	6	0	0	0	0	0	2	7	0	3	0	0	0	0
2	0	1	0	0	0	215	1	235	0	0	0	18	0	1	0	0	1	0	0	0	0	0
3	0	0	0	3	0	0	12	0	74	0	0	0	0	0	1	0	1	0	0	0	0	4
9	0	0	0	2	0	2	17	0	1	54	0	0	0	0	8	0	11	0	0	0	0	0
99	28	0	0	2	0	4	0	0	0	0	169	1	0	1	1	0	0	0	0	1	0	0
14	0	8	4	39	0	17	6	54	2	11	4	92	0	2	15	0	19	1	0	2	1	0
3	0	1	1	1	0	1	1	0	2	2	0	3	47	0	1	0	3	1	0	2	1	1
1	0	0	0	1	0	1	7	1	0	1	0	0	0	97	1	1	0	0	0	0	0	0
11	0	0	0	6	0	5	12	1	5	1	2	3	0	1	583	0	10	1	0	1	1	0
0	0	0	1	0	0	1	2	1	0	1	0	3	0	2	0	97	0	0	1	174	0	0
9	0	0	0	86	0	1	2	1	2	1	0	1	0	0	2	0	96	0	0	0	0	0
5	0	0	0	0	0	0	5	0	2	2	0	0	0	0	2	0	17	69	1	0	10	0
0	0	1	50	0	0	0	0	2	0	0	0	6	4	0	2	0	0	0	3	8	0	0
12	13	0	0	1	0	0	8	0	0	11	2	4	3	9	6	0	2	0	0	251	0	1
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	7	5	0	0	8	0
9	0	0	0	1	0	0	4	0	8	0	0	0	0	0	0	0	2	0	0	0	0	2

0.6718660593032837

Adadelta

mean_squared_error

398	0	0	0	1	0	4	6	1	0	0	6	0	0	0	2	0	0	0	0	0	0	0	0
86	20	0	0	0	0	3	5	0	0	0	75	1	0	1	3	0	0	0	0	6	0	0	0
0	0	0	0	5	0	0	41	0	1	0	0	5	0	3	5	0	3	0	0	1	0	0	0
0	1	0	3	2	4	0	40	2	0	2	0	33	0	1	3	0	0	1	0	15	0	0	0
9	0	0	0	186	0	0	5	0	0	0	0	0	0	0	1	0	13	0	0	0	0	0	0
0	0	0	0	0	95	0	6	0	0	0	0	0	0	0	1	3	0	7	0	5	0	0	0
0	0	0	0	1	0	513	0	135	0	0	0	4	0	0	3	1	0	0	0	0	0	0	0
25	0	0	0	3	0	3	292	1	0	0	1	0	0	1	12	0	0	0	0	0	0	0	0
0	0	0	0	1	0	222	5	227	0	0	0	18	0	0	1	0	0	0	0	0	0	0	0
20	0	0	1	3	0	0	66	0	0	0	0	0	0	0	2	3	0	2	1	0	0	0	0
12	0	0	0	3	0	2	67	0	0	2	0	0	0	0	10	0	8	0	0	0	0	0	0
168	16	0	0	4	0	4	9	2	0	1	92	1	0	2	3	0	1	1	0	2	0	0	0
9	1	0	0	40	2	16	74	39	0	2	2	83	0	2	15	0	4	0	0	2	0	0	0
3	2	0	0	1	0	1	9	0	0	1	0	8	0	0	7	2	5	4	0	28	0	0	0
6	1	0	0	3	0	2	41	0	0	0	0	0	0	51	1	5	0	0	0	1	0	0	0
12	0	0	0	8	2	3	17	1	0	0	0	2	0	2	591	0	5	0	0	0	0	0	0
0	3	0	0	0	0	1	5	2	0	0	0	5	0	1	1	141	0	0	0	124	0	0	0
11	0	0	0	99	1	2	16	1	0	0	0	0	0	0	3	0	68	0	0	0	0	0	0
10	0	0	0	0	0	0	43	0	0	0	0	1	0	0	8	0	30	21	0	0	0	0	0
0	0	0	0	1	0	0	26	0	0	0	0	28	0	0	5	0	2	2	0	12	0	0	0
17	28	0	0	2	1	0	68	0	0	6	2	2	0	15	6	2	2	4	0	168	0	0	0
2	0	0	0	0	0	0	8	0	0	0	0	0	0	0	2	0	6	4	0	0	0	0	0
11	0	0	0	1	0	0	11	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0

0.5613467693328857

mean_absolute_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124976225197315 22

mean_absolute_percentage_error

415	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
195	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
6	0	0	0	0	0	0	2	0	6	8	0	0	0	22	20	0	0	0	0	0	0	0	0
10	0	0	0	0	4	0	3	0	0	3	0	3	0	3	24	0	0	0	0	57	0	0	0
68	0	0	0	0	0	1	5	0	14	34	0	3	0	42	47	0	0	0	0	0	0	0	0
2	0	0	0	0	110	0	0	0	1	1	0	0	0	1	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	529	0	125	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
1	0	0	0	0	0	3	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	149	1	316	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1	0	95	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0
302	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	13	8	16	3	18	0	175	0	7	19	0	0	0	0	1	0	0	0
1	0	0	0	0	3	1	0	1	48	6	0	7	0	1	1	0	0	0	0	2	0	0	0
1	0	0	0	0	0	1	0	1	0	1	0	0	0	107	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	4	4	0	1	1	0	1	0	2	619	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	1	0	3	0	0	0	5	1	86	0	0	0	186	0	0	0
48	0	0	0	0	0	3	5	0	31	53	0	1	0	19	41	0	0	0	0	0	0	0	0
12	0	0	0	0	11	0	7	0	25	20	0	3	0	5	25	0	0	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	11	0	0	0	0	62	0	0	0
17	0	0	0	0	0	0	2	0	4	9	0	3	0	12	2	0	0	0	0	274	0	0	0
5	0	0	0	0	8	0	3	0	0	1	0	0	0	1	4	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	2	0	20	0	0	0	0	0	2	0	0	0	0	0	0	0	0

0.60110330581665 04

mean_squared_logarithmic_error

293	0	0	0	10	1	9	6	0	0	0	0	5	0	0	81	9	0	0	0	4	0	0	
77	0	0	0	5	0	6	0	0	0	0	3	7	0	0	95	2	0	0	0	5	0	0	
3	0	0	0	10	2	6	2	5	0	0	0	6	0	0	21	8	0	1	0	0	0	0	
1	0	0	0	3	12	18	0	25	0	0	0	9	0	0	29	4	0	0	0	6	0	0	
39	0	0	0	91	0	34	9	13	0	0	0	8	0	0	15	5	0	0	0	0	0	0	
1	0	0	0	0	95	0	1	0	0	0	0	1	0	0	12	4	0	1	0	2	0	0	
2	0	0	0	2	1	573	0	65	0	0	0	0	0	0	14	0	0	0	0	0	0	0	
142	0	0	0	17	4	12	22	9	0	0	0	2	0	0	111	18	0	0	0	1	0	0	
1	0	0	0	0	4	361	0	94	0	0	0	3	0	0	10	1	0	0	0	0	0	0	
44	0	0	0	2	1	0	1	1	0	0	0	1	0	0	29	16	0	0	0	3	0	0	
45	0	0	0	6	0	5	4	1	0	0	0	0	0	0	42	1	0	0	0	0	0	0	
153	0	0	0	13	2	13	4	1	0	0	1	11	0	0	90	5	0	0	0	13	0	0	
17	0	0	0	4	5	166	4	49	0	0	0	6	0	0	34	3	0	0	0	3	0	0	
4	0	0	0	4	0	1	1	0	0	0	0	4	0	0	50	2	0	0	0	5	0	0	
42	0	0	0	3	0	3	3	0	0	0	0	1	0	0	5	44	0	0	0	10	0	0	
44	0	0	0	4	16	11	0	7	0	0	0	9	0	0	499	43	0	5	0	5	0	0	
4	0	0	0	2	7	5	1	17	0	0	0	16	0	0	118	48	0	0	0	65	0	0	
74	0	0	0	37	1	8	13	8	0	0	0	3	0	0	49	8	0	0	0	0	0	0	
22	0	0	0	1	2	0	9	1	0	0	0	7	0	0	53	18	0	0	0	0	0	0	
0	0	0	0	5	1	13	0	6	0	0	0	20	0	0	28	2	0	0	0	1	0	0	
26	0	0	0	10	2	4	3	4	0	0	1	37	0	0	144	49	0	1	0	42	0	0	
3	0	0	0	0	0	1	1	3	0	0	0	3	0	0	2	9	0	0	0	0	0	0	
11	0	0	0	2	0	0	1	0	0	0	0	0	0	0	10	1	0	0	0	1	0	0	

0.3355526030063629

squared_hinge

411	0	0	0	0	0	4	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
173	0	0	0	0	0	3	0	1	0	0	0	6	0	0	7	10	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	6	0	0	13	26	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	5	0	0	0	51	0	0	10	37	0	0	0	0	0	0	
168	0	0	0	0	0	1	0	0	0	0	0	5	0	0	28	12	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	23	0	0	0	48	0	0	16	24	0	0	0	0	0	0	
0	0	0	0	0	0	452	0	188	0	0	0	15	0	0	1	1	0	0	0	0	0	0	
279	0	0	0	0	0	2	0	1	0	0	0	2	0	0	34	20	0	0	0	0	0	0	
3	0	0	0	0	0	220	0	232	0	0	0	18	0	0	0	1	0	0	0	0	0	0	
71	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	21	0	0	0	0	0	0	
78	0	0	0	0	0	2	0	0	0	0	0	0	0	0	16	8	0	0	0	0	0	0	
276	0	0	0	0	0	5	0	3	0	0	0	2	0	0	11	9	0	0	0	0	0	0	
52	0	0	0	0	0	15	0	37	0	0	0	135	0	0	21	31	0	0	0	0	0	0	
9	0	0	0	0	0	1	0	0	0	0	0	5	0	0	19	37	0	0	0	0	0	0	
75	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	33	0	0	0	0	0	0	
13	0	0	0	0	0	3	0	0	0	0	0	8	0	0	617	2	0	0	0	0	0	0	
6	0	0	0	0	0	1	0	2	0	0	0	21	0	0	7	246	0	0	0	0	0	0	
148	0	0	0	0	0	2	0	1	0	0	0	0	0	0	39	11	0	0	0	0	0	0	
70	0	0	0	0	0	0	0	0	0	0	0	2	0	0	16	25	0	0	0	0	0	0	
1	0	0	0	0	0	1	0	0	0	0	0	47	0	0	11	16	0	0	0	0	0	0	
77	0	0	0	0	0	0	0	0	0	0	0	7	0	0	16	223	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	12	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	

0.39813581109046936

hinge

0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	392	0	0	0	0	0	0	0	
0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	187	0	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	
0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	
0	0	0	0	0	0	66	0	0	0	0	0	0	0	0	148	0	0	0	0	0	0	0	
0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	
0	0	0	0	0	0	651	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	314	0	0	0	0	0	0	0	
0	0	0	0	0	0	468	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	97	0	0	0	0	0	0	0	
0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	
0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	273	0	0	0	0	0	0	0	
0	0	0	0	0	0	203	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	108	0	0	0	0	0	0	0	
0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	631	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	261	0	0	0	0	0	0	0	
0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	178	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	
0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	312	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	

0.24386532604694366

categorical_hinge

414	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
0	118	0	0	0	0	0	0	0	0	0	80	0	0	0	0	0	0	0	0	2	0	0
0	0	62	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	46	0	0	0	2	0	0	0	0	0	0	0	1	0	2	0	51	4	0	0
2	0	0	0	207	0	1	1	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
0	0	0	8	0	102	0	0	0	0	1	0	1	0	0	0	0	2	2	0	1	0	0
0	0	0	0	0	0	583	0	71	0	0	0	0	0	0	2	1	0	0	0	0	0	0
2	0	0	0	1	0	3	328	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0
1	0	0	0	0	0	226	1	242	0	1	0	1	0	0	0	0	1	0	0	1	0	0
1	0	1	0	1	0	0	2	0	92	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	2	0	2	1	0	0	96	0	0	1	0	0	0	1	0	0	0	0	0
140	0	0	0	1	0	4	1	0	0	0	158	0	0	0	2	0	0	0	0	0	0	0
18	1	4	2	6	0	13	10	25	1	6	2	141	0	6	15	0	32	3	4	2	0	0
1	0	0	0	0	0	1	1	0	3	2	0	1	57	1	1	0	3	0	0	0	0	0
2	0	1	0	1	0	2	0	1	0	2	0	0	0	99	0	1	2	0	0	0	0	0
8	0	0	0	4	0	4	4	0	0	0	0	1	0	1	617	0	3	1	0	0	0	0
1	0	0	1	0	0	2	0	0	0	1	0	0	0	4	1	124	0	0	0	149	0	0
6	0	0	0	23	0	3	1	0	1	0	0	0	0	0	0	0	167	0	0	0	0	0
3	0	0	1	0	0	0	1	0	1	3	0	1	0	0	4	0	8	90	1	0	0	0
0	0	0	25	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	33	12	0	0
4	6	0	0	1	0	0	2	0	1	1	0	3	0	5	2	1	4	0	0	293	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	8	0	0	0	0
4	0	0	0	1	0	0	5	0	7	0	0	0	0	0	2	0	6	1	0	0	0	0

0.774015605449676 5

logcosh

237	0	0	0	0	0	25	0	4	0	0	0	0	0	0	152	0	0	0	0	0	0	0
56	0	0	0	0	0	27	0	0	0	0	0	1	0	0	115	0	0	0	0	1	0	0
4	0	0	0	0	0	25	0	11	0	0	0	0	0	0	24	0	0	0	0	0	0	0
1	0	0	0	0	9	73	0	6	0	0	0	2	0	0	16	0	0	0	0	0	0	0
96	0	0	0	0	0	98	0	1	0	0	0	0	0	0	19	0	0	0	0	0	0	0
2	0	0	0	0	79	11	0	10	0	0	0	3	0	0	12	0	0	0	0	0	0	0
67	0	0	0	0	4	440	0	89	0	0	0	0	0	0	57	0	0	0	0	0	0	0
122	0	0	0	0	0	55	0	5	0	0	0	0	0	0	156	0	0	0	0	0	0	0
28	0	0	0	0	11	303	0	92	0	0	0	0	0	0	40	0	0	0	0	0	0	0
41	0	0	0	0	0	10	0	14	0	0	0	1	0	0	32	0	0	0	0	0	0	0
45	0	0	0	0	0	14	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0
145	0	0	0	0	4	37	0	0	0	0	0	2	0	0	117	0	0	0	0	1	0	0
54	0	0	0	0	6	178	0	12	0	0	0	0	0	0	41	0	0	0	0	0	0	0
6	0	0	0	0	1	20	0	3	0	0	0	4	0	0	37	0	0	0	0	0	0	0
22	0	0	0	0	0	44	0	13	0	0	0	2	0	0	30	0	0	0	0	0	0	0
72	0	0	0	0	10	191	0	83	0	0	0	1	0	0	286	0	0	0	0	0	0	0
7	0	0	0	0	11	138	0	23	0	0	0	9	0	0	95	0	0	0	0	0	0	0
79	0	0	0	0	1	71	0	1	0	0	0	0	0	0	49	0	0	0	0	0	0	0
22	0	0	0	0	0	17	0	22	0	0	0	1	0	0	51	0	0	0	0	0	0	0
1	0	0	0	0	1	38	0	4	0	0	0	5	0	0	27	0	0	0	0	0	0	0
25	0	0	0	0	7	130	0	20	0	0	0	21	0	0	118	0	0	0	0	2	0	0
3	0	0	0	0	0	8	0	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11	0	0	0	0	0	1	0	0	0	0	0	1	0	0	13	0	0	0	0	0	0	0

0.216092824935913 09

categorical_crossentropy

416	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	138	0	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	18	0	0	0	0	0	0	0	0	0	0	1	0	0	0	87	1	0	0	
2	0	0	0	203	0	1	0	1	2	1	0	0	1	1	0	1	0	0	0	1	0	
0	0	0	1	0	99	0	0	0	0	0	0	3	0	0	0	0	1	1	0	0	12	0
1	0	0	0	1	0	587	0	57	1	0	0	0	0	0	7	1	0	1	0	0	0	1
2	0	0	0	1	0	1	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	0	0	218	1	247	0	0	0	5	0	0	1	0	0	0	0	1	0	0
0	0	0	0	1	0	0	1	0	89	1	0	0	0	1	0	0	0	0	0	0	0	5
0	0	0	0	1	0	0	0	0	0	102	0	1	0	0	0	0	0	0	0	0	0	0
129	0	1	0	1	0	3	1	0	0	0	168	0	0	0	2	0	0	1	0	0	0	0
18	1	2	0	4	0	8	6	16	0	6	1	170	0	4	19	0	16	7	0	1	7	5
1	0	0	0	0	0	1	0	1	1	2	0	1	58	1	1	0	2	0	0	1	0	1
1	0	0	0	1	0	0	0	0	0	1	0	0	0	107	0	0	1	0	0	0	0	0
8	0	0	0	3	0	2	5	0	0	1	0	2	0	1	617	0	3	1	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	2	0	5	0	82	0	0	0	190	0	0
5	0	0	0	10	0	1	1	0	1	0	0	0	0	0	0	0	182	0	0	0	0	1
2	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0	0	6	97	0	0	2	2
0	0	0	8	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	61	4	0	0
3	35	0	0	0	0	0	1	0	2	1	0	3	0	6	5	0	0	0	1	264	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	17	0
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	21

0.787331163883209 2

kullback_leibler_divergence

413	0	0	0	1	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1
0	101	0	0	0	0	0	0	0	0	1	96	0	0	0	2	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	16	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	87	2	0	0
2	0	0	0	205	0	0	0	0	1	0	0	0	0	2	1	0	3	0	0	0	0	0
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	10	0
1	0	0	0	1	0	561	2	81	1	1	0	0	0	0	7	1	0	0	0	0	0	1
2	0	0	0	0	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	0	0	198	1	262	0	1	0	5	0	0	2	0	2	0	0	1	0	0
0	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	1	0	0	0	0	4
0	0	0	0	1	0	0	1	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0
152	0	0	0	1	0	2	1	0	0	0	145	0	0	0	3	0	1	1	0	0	0	0
24	1	0	0	2	0	6	6	16	0	6	0	150	0	5	18	0	40	11	1	2	1	2
2	0	0	0	0	0	1	0	0	1	1	0	1	58	1	1	0	3	1	0	0	0	1
0	0	0	0	1	0	0	1	0	0	1	0	0	0	106	0	0	2	0	0	0	0	0
7	0	0	0	2	0	2	4	0	0	0	0	2	0	1	621	0	3	1	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	1	0	4	1	90	0	0	0	183	0	0
5	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	191	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	101	0	0	2	1
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	58	2	0	0
3	31	0	0	0	0	0	2	0	0	0	0	4	0	4	5	0	1	1	1	268	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	19	0
0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	21

0.775156915187835 7

poisson

410	0	0	0	1	0	1	0	0	0	0	2	0	0	2	1	0	0	0	0	0	0	1
3	83	0	0	0	0	0	0	0	0	0	108	2	0	0	3	0	1	0	0	0	0	0
0	0	57	0	1	0	0	3	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1
0	0	0	64	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	39	1	0	0
5	0	0	0	194	0	0	1	0	2	0	0	0	0	1	0	0	9	0	0	1	1	0
0	0	1	1	0	102	0	0	0	0	0	0	1	0	0	0	0	0	9	0	2	1	0
3	0	0	0	1	0	577	1	69	0	1	0	0	0	0	3	1	0	0	0	0	0	1
5	0	0	0	0	0	2	319	0	3	0	0	0	0	2	4	0	0	1	0	0	0	2
4	0	0	0	1	0	255	1	208	0	0	1	2	0	0	1	0	1	0	0	0	0	0
1	0	0	0	0	0	0	1	0	78	0	0	0	0	0	1	0	0	0	0	0	0	17
3	0	0	0	2	0	2	1	0	1	91	0	0	0	0	1	0	2	0	0	0	0	1
96	9	0	0	1	0	3	2	0	0	0	193	0	0	0	2	0	0	0	0	0	0	0
22	1	7	2	13	0	9	5	30	0	17	2	119	1	3	18	0	33	2	3	1	0	3
2	0	1	0	0	1	1	1	0	0	2	0	2	50	1	2	0	6	1	0	0	0	1
1	0	1	0	1	0	0	0	1	0	1	0	0	0	98	0	5	0	0	0	2	0	1
10	0	0	0	3	0	4	3	0	0	2	0	0	0	1	615	0	3	1	0	0	0	1
1	0	0	0	1	0	561	2	81	1	1	0	0	0	0	7	1	0	0	0	0	0	1
2	0	0	0	0	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	0	0	198	1	262	0	1	0	5	0	0	2	0	2	0	0	1	0	0
0	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	1	0	0	0	0	4
0	0	0	0	1	0	0	1	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0
152	0	0	0	1	0	2	1	0	0	0	145	0	0	0	3	0	1	1	0	0	0	0
24	1	0	0	2	0	6	6	16	0	6	0	150	0	5	18	0	40	11	1	2	1	2
2	0	0	0	0	0	1	0	0	1	1	0	1	58	1	1	0	3	1	0	0	0	1
0	0	0	0	1	0	0	1	0	0	1	0	0	0	106	0	0	2	0	0	0	0	0
7	0	0	0	2	0	2	4	0	0	0	0	2	0	1	621	0	3	1	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	1	0	4	1	90	0	0	0	183	0	0
5	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	191	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	101	0	0	2	1
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	58	2	0	0
3	31	0	0	0	0	0	2	0	0	0	0	4	0	4	5	0	1	1	1	268	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	19	0
0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	21

0.748715996742248 5

cosine_proximity

416	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	113	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	5	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	97	2	0	0
3	0	0	0	204	0	1	0	1	2	0	0	0	0	0	1	0	2	0	0	0	0	0
0	0	0	1	0	101	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	11	1
3	0	0	0	1	0	595	0	52	0	0	0	1	0	0	4	1	0	0	0	0	0	0
2	0	0	0	0	0	3	331	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	1	0	248	1	213	0	0	0	6	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	6
1	0	0	0	1	0	2	1	0	0	98	0	0	1	0	0	0	0	0	0	0	0	0
134	0	0	0	1	0	2	1	0	0	0	168	0	0	0	0	0	0	0	0	0	0	0
13	1	3	1	3	0	8	6	9	0	3	2	164	0	8	15	0	37	5	2	1	5	5
1	0	0	0	0	0	1	0	0	1	2	0	1	58	1	1	0	4	0	0	0	0	1
2	0	0	0	1	0	0	0	0	0	1	0	0	0	106	0	0	1	0	0	0	0	0
9	0	0	0	3	0	3	5	0	0	0	0	1	0	1	616	0	4	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	1	0	5	1	81	0	1	0	191	0	0
5	0	0	0	9	0	3	1	0	0	0	0	0	0	0	0	0	182	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	6	95	0	0	4	2
0	0	0	3	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	66	4	0	0
3	10	0	0	0	0	0	2	0	1	1	0	4	0	5	2	1	3	0	1	288	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0
2	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	19

0.778010249137878 4

Adam

mean_squared_error

416	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	96	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	24	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	80	1	0	0	0
2	0	0	0	203	0	0	0	0	1	0	0	0	0	2	1	0	5	0	0	0	0	0	0
0	0	0	1	0	96	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	15	0	
5	0	0	0	2	0	571	0	70	0	0	0	2	0	1	4	0	0	0	0	1	0	1	
2	0	0	0	0	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
3	0	0	0	1	0	226	1	233	0	0	0	7	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	1	0	0	0	0	5	
1	0	0	0	1	0	1	1	0	0	99	0	1	0	0	0	0	0	0	0	0	0	0	
124	0	0	0	0	0	2	1	0	0	0	178	0	0	0	1	0	0	0	0	0	0	0	
15	1	0	2	3	0	7	10	11	0	2	1	159	0	6	20	0	36	6	0	3	4	5	
2	0	0	0	0	0	1	1	0	2	1	0	1	55	1	1	0	3	1	0	1	0	1	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	1	0	0	0	0	0	
8	0	0	0	2	0	2	4	0	0	0	0	1	0	1	620	0	4	1	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	3	2	80	0	0	0	193	0	0	
5	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	192	0	0	0	0	1		
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	5	99	0	0	1	1	
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	65	2	0	0	
2	7	0	0	0	0	0	2	0	2	0	1	4	0	5	5	0	3	0	1	288	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0	
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	21	

0.7812440395355225

mean_absolute_error

415	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
192	0	0	0	0	0	0	1	1	0	0	0	3	0	0	3	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	1	0	3	0	0	0	0	0	48	0	0	3	0	0	0	0	
6	0	0	0	0	0	0	5	0	0	0	0	17	0	0	78	1	0	0	0	0	0	0	
84	0	0	0	0	0	2	6	1	10	0	0	6	0	0	104	1	0	0	0	0	0	0	
0	0	0	0	0	100	0	0	0	0	0	0	2	0	0	0	0	0	15	0	0	0	0	
0	0	0	0	0	0	559	0	95	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
2	0	0	0	0	0	3	332	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	199	1	267	0	0	0	4	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	1	0	95	0	0	0	0	0	1	0	0	0	0	0	0	0	
40	0	0	0	0	0	2	8	0	4	0	0	1	0	0	44	0	0	5	0	0	0	0	
299	0	0	0	0	0	4	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
32	0	0	0	0	0	9	6	22	2	0	0	168	0	0	35	1	0	16	0	0	0	0	
1	0	0	0	0	0	1	0	0	38	0	0	20	0	0	3	3	0	5	0	0	0	0	
23	0	0	0	0	0	3	3	0	0	0	0	1	0	0	16	64	0	1	0	0	0	0	
9	0	0	0	0	0	4	2	0	1	0	0	1	0	0	625	0	0	1	0	0	0	0	
1	0	0	0	0	0	1	0	1	0	0	0	4	0	0	4	271	0	1	0	0	0	0	
51	0	0	0	0	0	3	7	0	17	0	0	1	0	0	80	0	0	42	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	108	0	0	0	0	
1	0	0	0	0	0	0	2	0	3	0	0	16	0	0	48	4	0	2	0	0	0	0	
23	0	0	0	0	2	0	6	0	6	0	0	155	0	0	77	21	0	33	0	0	0	0	
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	20	0	0	0	0	
5	0	0	0	0	0	0	2	0	14	0	0	0	0	0	4	0	0	1	0	0	0	0	

0.5592543482780457

mean_absolute_percentage_error

415	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
191	0	0	0	0	0	0	0	2	0	1	0	1	0	1	4	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	21	0	1	3	0	0	0	3	28	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	106	0	0	0	
36	0	0	0	0	0	2	2	0	7	28	0	3	0	64	72	0	0	0	0	0	0	0	
1	0	0	0	0	109	0	0	0	1	1	0	0	0	1	3	0	0	0	1	0	0	0	
0	0	0	0	0	0	580	0	75	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
5	0	0	0	0	0	3	321	0	3	0	0	0	0	4	2	0	0	0	0	0	0	0	
1	0	0	0	0	0	210	1	255	0	0	0	3	0	3	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	97	0	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	2	0	0	1	98	0	0	0	0	1	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
20	0	0	0	0	0	9	5	24	1	13	0	155	0	14	43	0	0	0	6	1	0	0	
0	0	0	0	0	0	1	0	0	39	4	0	9	0	2	6	0	0	0	0	10	0	0	
2	0	0	0	0	0	1	0	2	0	1	0	0	0	103	2	0	0	0	0	0	0	0	
9	0	0	0	0	0	4	0	0	1	0	0	0	0	0	629	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	1	1	0	2	0	1	0	4	2	0	0	0	1	270	0	0	
27	0	0	0	0	0	3	3	0	14	44	0	0	0	49	58	0	0	0	3	0	0	0	
7	0	0	0	0	2	0	9	0	6	23	0	1	0	22	43	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	75	0	0	0	
3	0	0	0	0	0	0	2	0	1	7	0	3	0	42	9	0	0	0	1	255	0	0	
1	0	0	0	0	0	0	0	0	0	2	0	0	0	6	13	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	1	0	18	0	0	0	0	2	3	0	0	0	0	0	0	0	

0.5881681442260742

mean_squared_logarithmic_error

415	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1		
0	136	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0		
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	1	0	0	
2	0	0	0	206	0	0	0	0	0	0	1	0	1	0	1	1	0	2	0	0	0	0	
0	1	0	1	0	101	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	11	0	
3	0	0	0	3	0	548	0	95	1	0	0	1	0	1	4	0	0	0	0	0	0	1	
1	0	0	0	1	0	1	333	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
2	0	0	0	1	0	170	1	291	0	0	0	6	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	1	0	0	0	0	5	
0	0	0	0	1	0	2	0	0	0	100	0	0	1	0	0	0	0	0	0	0	0	0	
112	0	0	0	1	0	3	1	0	0	0	186	0	0	0	2	0	1	0	0	0	0	0	
8	1	0	2	4	0	9	5	16	0	1	1	167	1	4	18	0	39	5	1	3	3	3	
0	0	0	0	0	0	1	0	0	1	0	0	1	59	1	1	0	6	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
8	0	0	0	4	0	2	3	0	0	0	0	1	0	1	621	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	1	0	2	0	75	2	0	0	199	0	0	
5	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	6	98	0	0	2	1	
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	67	2	0	0	
2	17	0	0	0	0	0	2	0	1	0	0	3	2	5	3	0	4	1	1	280	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	20	

0.7957009673118591

squared_hinge

413	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	11	0	1	1	1	0	0	18	24	0	4	1	0	0	0	0	
2	0	0	0	0	0	0	6	0	0	0	0	1	2	4	18	0	44	0	0	30	0	0	
3	0	0	0	205	0	0	1	0	0	0	0	0	0	0	1	0	3	0	0	1	0	0	
0	0	0	0	1	106	0	0	0	1	0	0	0	0	0	0	0	2	7	0	0	0	0	
2	0	0	0	1	0	527	1	120	0	1	0	0	0	0	4	1	0	0	0	0	0	0	
1	0	0	0	0	0	1	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	158	2	305	0	1	0	3	0	0	1	0	1	0	0	1	0	0	
1	0	0	0	1	0	0	2	0	93	0	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	1	0	2	1	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	
108	0	0	0	0	0	3	1	0	0	0	194	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	7	0	8	10	17	1	3	2	155	0	8	19	0	28	10	0	1	0	0	
1	0	0	0	0	0	1	2	0	1	2	0	1	53	1	1	0	5	1	0	2	0	0	
1	0	0	0	1	0	0	1	2	0	1	0	0	0	104	0	0	1	0	0	0	0	0	
9	0	0	0	4	0	2	4	0	0	0	0	1	0	1	616	0	5	1	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	0	74	1	0	0	201	0	0	
5	0	0	0	10	0	2	1	0	0	0	0	0	0	0	0	0	182	1	0	0	0	0	
2	0	0	0	0	0	0	1	0	0	0	0	0	4	1	6	0	11	2	0	51	0	0	
3	0	0	0	1	0	0	2	0	0	1	18	3	1	8	4	0	1	0	0	281	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	20	0	0	0	0	
2	0	0	0	2	0	0	2	0	16	1	0	0	0	0	0	0	2	1	0	0	0	0	

0.7310252785682678

hinge

414	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
196	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
5	0	0	0	0	3	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	
20	0	0	0	0	6	0	0	0	0	0	0	16	0	0	63	2	0	0	0	0	0	0	
143	0	0	0	0	0	2	0	0	0	0	0	9	0	0	59	1	0	0	0	0	0	0	
4	0	0	0	0	111	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	568	0	87	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
229	0	0	0	0	2	3	0	1	0	0	0	8	0	0	93	2	0	0	0	0	0	0	
4	0	0	0	0	0	210	0	257	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
72	0	0	0	0	4	0	0	0	0	0	0	2	0	0	17	3	0	0	0	0	0	0	
50	0	0	0	0	0	2	0	0	0	0	0	2	0	0	50	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
54	0	0	0	0	1	11	0	20	0	0	0	174	0	0	29	2	0	0	0	0	0	0	
5	0	0	0	0	7	1	0	1	0	0	0	34	0	0	13	10	0	0	0	0	0	0	
30	0	0	0	0	0	2	0	1	0	0	0	1	0	0	9	68	0	0	0	0	0	0	
9	0	0	0	0	0	4	0	0	0	0	0	2	0	0	628	0	0	0	0	0	0	0	
1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	4	275	0	0	0	0	0	0	
123	0	0	0	0	1	2	0	1	0	0	0	4	0	0	70	0	0	0	0	0	0	0	
58	0	0	0	0	13	0	0	0	0	0	0	3	0	0	39	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	14	0	0	35	24	0	0	0	0	0	0	
102	0	0	0	0	25	0	0	0	0	0	0	91	0	0	68	37	0	0	0	0	0	0	
10	0	0	0	0	7	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	
17	0	0	0	0	1	0	0	0	0	0	0	1	0	0	7	0	0	0	0	0	0	0	

0.4616701602935791

categorical_hinge

415	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	128	0	0	1	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	83	1	0	0
2	0	0	0	205	0	2	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0
0	0	0	1	0	103	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	10	0
2	0	0	0	0	0	564	0	85	0	0	0	0	0	0	4	1	0	1	0	0	0	0
2	0	0	0	1	0	3	329	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
1	0	0	0	0	0	211	1	255	0	0	0	2	0	0	0	0	1	0	0	1	1	1
1	0	0	0	1	0	0	1	0	82	0	0	0	0	0	1	0	2	0	0	0	0	10
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	1	0	4	1	0	0	0	173	0	0	0	1	0	0	0	0	0	0	0
10	1	0	4	3	0	17	3	15	0	4	2	137	0	9	19	0	42	6	3	3	5	8
0	0	0	0	0	0	1	0	0	3	1	0	1	55	1	1	0	5	1	0	1	0	1
1	0	0	0	1	0	2	0	0	0	0	0	0	0	104	1	0	2	0	0	0	0	0
8	0	0	0	4	0	4	3	0	0	0	0	0	0	1	620	0	2	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	1	0	4	2	81	1	0	0	190	0	0
6	0	0	0	8	0	3	1	0	0	0	0	0	0	0	0	0	182	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	5	98	0	0	2	2
0	0	0	9	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	62	2	0	0
2	13	0	0	1	0	0	2	0	1	0	0	1	0	6	5	0	3	0	1	286	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	18	1
3	0	0	0	1	0	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	16

0.7791516184806824

logcosh

414	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1
0	103	0	0	0	0	0	1	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	38	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	65	2	0	0
2	0	0	0	205	0	1	1	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0
0	0	0	1	0	104	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	9	0
2	0	0	0	2	0	529	0	116	0	0	0	2	0	0	4	1	0	0	0	0	0	1
3	0	0	0	0	0	0	333	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	1	0	150	1	309	0	0	0	7	0	0	1	0	0	0	0	1	0	1
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4
2	0	0	0	1	0	2	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	1	0	2	1	0	0	0	187	0	0	0	0	0	0	1	0	0	0	0
11	1	1	3	4	0	8	23	8	0	3	3	145	0	6	16	0	40	4	7	0	3	5
0	0	0	0	0	0	1	1	0	2	1	0	0	57	1	1	0	6	1	0	0	0	0
1	0	0	0	1	0	0	0	0	0	0	0	0	0	107	0	0	1	0	0	0	0	1
9	0	0	0	5	0	2	5	0	0	0	0	2	0	1	616	0	2	1	0	0	0	0
0	0	0	1	0	0	1	1	1	0	0	0	1	0	3	0	92	2	0	0	181	0	0
5	0	0	0	6	0	3	1	0	0	0	0	0	0	0	0	0	185	0	0	0	0	1
2	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	4	99	0	0	3	2
0	0	0	26	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	46	2	0	0
2	12	0	0	1	1	0	6	0	2	0	1	4	0	4	3	1	2	0	1	282	0	1
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	19	0
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	20

0.7880920767784119

categorical_crossentropy

414	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
0	102	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	93	2	0	0
2	0	0	0	206	0	1	0	0	0	0	0	0	0	2	1	0	1	0	0	1	0	0
0	1	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	13	0
1	0	0	0	1	0	593	2	49	1	1	0	1	0	0	6	1	0	0	0	0	0	1
1	0	0	0	1	0	0	333	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
2	0	0	0	1	0	261	1	199	0	1	0	5	0	0	2	0	1	0	0	1	0	0
0	0	0	0	1	0	0	1	0	82	0	0	0	0	0	1	0	1	0	0	0	0	12
0	0	0	0	1	0	0	0	0	0	102	0	1	0	0	0	0	0	0	0	0	0	0
130	0	0	0	1	0	3	1	0	0	0	168	0	0	0	3	0	0	0	0	0	0	0
15	1	0	2	4	0	6	8	22	0	3	2	160	0	8	15	0	28	4	2	0	4	7
2	0	0	0	0	0	1	1	0	1	0	0	3	58	0	1	0	4	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0
9	0	0	0	3	0	1	6	0	1	0	0	2	0	1	615	0	4	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	0	0	3	1	92	1	0	0	182	0	0
5	0	0	0	19	0	1	1	0	0	0	0	0	0	0	0	0	174	0	0	0	0	1
3	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	4	97	0	0	4	1
0	0	0	9	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	61	3	0	0
4	30	0	0	0	0	0	2	0	1	0	2	2	2	6	3	1	4	0	1	262	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	23

0.768118679523468

kullback_leibler_divergence

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	102	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0
1	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	21	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2	0	0	0	203	0	1	1	0	2	0	0	0	0	0	1	1	0	2	0	0	0	0
0	1	0	1	0	97	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
3	0	0	0	2	0	592	1	50	1	0	0	0	0	0	6	1	0	0	0	0	0	1
1	0	0	0	0	0	0	334	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
2	0	0	0	0	0	263	1	200	0	1	0	2	0	0	1	0	1	0	0	1	0	2
0	0	0	0	0	0	0	1	0	86	0	0	0	0	0	1	0	1	0	0	0	0	9
2	0	0	0	1	0	1	2	0	0	96	0	1	0	0	0	0	1	0	0	0	0	0
151	0	0	0	0	0	3	1	0	0	0	148	0	0	0	2	0	0	1	0	0	0	0
28	1	0	1	7	0	8	12	22	0	1	2	123	0	4	16	1	44	6	1	1	8	5
2	0	0	0	0	0	1	2	0	0	1	0	1	58	1	1	0	3	0	0	0	0	1
2	0	0	0	2	0	0	1	0	0	0	0	0	0	104	0	1	0	0	0	0	0	1
8	0	0	0	2	0	2	5	0	0	0	0	2	0	1	617	0	4	1	0	0	0	1
2	0	0	1	0	0	2	0	0	0	0	0	0	0	2	1	98	1	0	0	176	0	0
5	0	0	0	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	181	0	0	1
3	0	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0	5	94	0	0	5	2
0	0	0	8	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	63	3	0	0
4	23	0	0	0	0	0	3	0	0	1	1	2	2	5	2	1	3	0	1	273	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24

0.7633631229400635

poisson

414	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
0	130	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0
1	0	60	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1
0	0	0	21	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	83	1	0	0
3	0	0	0	195	0	0	1	0	2	1	0	0	0	3	1	0	5	0	0	0	1	2
0	0	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	12	0
1	0	0	0	1	0	564	2	78	1	0	0	0	0	0	7	1	0	1	0	0	0	1
1	0	0	0	0	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
2	0	0	0	0	0	203	1	261	0	0	0	4	0	0	1	0	1	0	0	0	0	1
0	0	0	0	0	0	0	1	0	92	0	0	0	0	0	1	0	1	0	0	0	0	3
1	0	0	0	1	0	0	0	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0
142	0	0	0	1	0	3	1	0	0	0	156	0	0	0	3	0	0	0	0	0	0	0
19	1	1	0	5	0	7	8	24	1	2	1	137	0	10	20	0	28	12	2	0	8	5
0	0	0	0	0	0	1	0	0	3	0	0	1	58	1	1	0	5	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	2	0	0	0	0	0
6	0	0	0	2	0	2	5	0	1	0	0	2	0	1	620	0	3	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	1	0	6	1	135	1	0	0	136	0	0
5	0	0	0	5	0	0	1	0	1	0	0	0	0	0	0	0	188	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	103	0	0	2	1
0	0	0	12	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	58	3	0	0
3	54	0	0	0	0	0	1	0	1	0	0	2	1	9	4	1	2	3	1	238	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0
0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	23

0.7827658653259277

cosine_proximity

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	120	0	0	0	0	0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	0	0	0
3	0	0	0	206	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0
0	0	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	12	1
4	0	0	0	1	0	493	1	147	1	1	0	0	0	2	6	0	0	0	0	0	0	1
2	0	0	0	1	0	1	331	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
2	0	0	0	1	0	135	1	327	0	0	0	3	0	0	1	0	2	0	0	1	0	1
0	0	0	0	1	0	0	1	0	85	0	0	0	0	0	1	0	1	0	0	0	0	9
2	0	0	0	1	0	2	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0
191	0	0	0	1	0	2	1	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0
24	1	0	1	3	0	8	5	16	0	6	1	124	0	14	19	0	47	4	1	1	3	13
1	0	0	0	0	0	1	1	0	1	1	0	0	58	1	1	0	4	1	0	0	0	1
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0
10	0	0	0	5	0	3	4	0	0	0	0	0	0	1	614	0	5	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	1	0	5	0	75	2	0	0	197	0	0
7	0	0	0	6	0	2	1	0	0	0	0	0	0	0	0	0	184	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	6	93	0	1	4	2
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	1	0	0
2	5	0	0	0	0	0	1	0	3	0	0	2	3	6	2	0	5	1	1	289	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21

0.7637435793876648

Adamax

mean_squared_error

413	0	0	0	1	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
0	156	0	0	0	0	0	0	0	0	0	43	1	0	0	0	0	0	0	0	0	0	0	0
0	0	62	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	57	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	45	2	0	0	0
2	0	0	1	207	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	5	0	100	0	0	0	0	0	0	1	0	0	0	0	1	5	0	0	5	0	0
1	0	0	0	0	0	500	0	152	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0
2	0	0	0	0	0	3	331	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
2	0	0	0	1	0	144	1	317	0	0	0	5	0	0	1	0	0	1	0	1	0	1	
0	0	1	0	1	0	0	2	0	83	0	0	0	2	0	1	0	1	0	0	0	0	0	7
1	0	0	0	1	0	2	1	0	0	96	0	0	1	0	0	0	1	0	0	1	0	0	
86	0	0	0	1	0	4	1	0	0	0	212	0	0	0	2	0	0	0	0	0	0	0	
12	1	4	3	7	0	10	7	21	0	6	3	142	0	2	22	0	28	7	8	2	4	2	
1	0	0	0	0	0	1	2	0	1	2	0	0	60	0	1	0	2	0	0	1	0	0	
1	0	0	0	3	0	1	0	2	0	1	0	0	0	99	1	1	0	0	0	1	0	1	
8	0	0	0	4	0	3	7	1	0	0	0	0	0	616	1	2	1	0	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	1	0	1	0	2	1	86	1	0	0	188	0	0	
6	0	0	0	14	0	1	1	2	1	0	0	0	0	0	0	0	175	0	0	0	0	1	
2	0	0	0	0	0	0	2	0	0	1	0	1	0	0	1	0	4	99	0	0	1	2	
0	0	0	24	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	45	3	0	0	
3	19	0	0	0	0	0	3	0	1	0	0	2	1	6	3	0	1	1	1	280	0	2	
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	1	1	0	0	16	0	
2	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	19	

0.7934182882308960

mean_absolute_error

413	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
191	0	0	0	0	0	2	1	0	0	0	0	2	0	0	0	0	0	0	0	4	0	0	
3	0	0	1	0	0	0	17	0	0	15	0	0	0	0	4	0	0	24	0	0	0	0	
0	0	0	102	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	
28	0	0	5	0	0	0	26	0	0	119	0	2	2	0	14	0	0	16	0	2	0	0	
0	0	0	4	0	100	0	2	0	0	1	0	0	1	0	0	0	0	9	0	0	0	0	
0	0	0	0	0	0	651	0	0	0	0	0	4	0	0	1	1	0	0	0	0	0	0	
5	0	0	0	0	0	2	323	0	0	3	0	1	0	0	3	1	0	0	0	0	0	0	
1	0	0	0	0	0	455	1	0	0	1	0	14	2	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	82	0	0	9	0	1	2	0	1	0	0	1	0	0	0	0	
3	0	0	0	0	0	2	5	0	0	75	0	0	4	0	6	0	0	9	0	0	0	0	
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
21	0	0	10	0	0	18	6	0	0	26	0	160	23	0	15	2	0	7	0	3	0	0	
1	0	0	0	0	0	1	2	0	0	5	0	1	55	0	3	0	0	3	0	0	0	0	
2	0	0	0	0	0	2	3	0	0	17	0	1	0	0	2	29	0	0	0	55	0	0	
8	0	0	0	0	0	4	3	0	0	6	0	2	0	0	618	1	0	1	0	0	0	0	
0	0	0	2	0	0	2	1	0	0	2	0	1	1	0	2	69	0	0	0	203	0	0	
22	0	0	2	0	0	2	26	0	0	111	0	1	1	0	8	0	0	28	0	0	0	0	
4	0	0	0	0	0	0	7	0	0	29	0	1	0	0	6	0	0	66	0	0	0	0	
0	0	0	71	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	2	0	0	
9	0	0	1	0	0	0	3	0	0	17	0	2	4	0	1	0	0	2	0	284	0	0	
0	0	0	0	0	0	0	2	0	0	1	0	1	0	0	1	0	0	17	0	0	0	0	
4	0	0	0	0	0	0	9	0	0	10	0	0	1	0	0	0	0	2	0	0	0	0	

0.5546889901161194

mean_absolute_percentage_error

411	0	0	0	0	0	3	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	
187	0	0	0	0	0	2	0	0	0	0	0	2	0	0	2	0	0	0	0	7	0	0	
4	0	0	0	0	0	0	11	0	7	19	0	0	1	0	18	0	0	4	0	0	0	0	
0	0	0	101	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0	
34	0	0	8	0	0	1	27	0	5	76	0	0	0	0	61	0	0	1	0	1	0	0	
0	0	0	2	0	100	0	1	0	0	0	0	0	0	0	0	0	0	13	0	1	0	0	
0	0	0	0	0	0	650	0	0	0	0	0	4	0	0	2	1	0	0	0	0	0	0	
3	0	0	0	0	0	2	328	0	3	0	0	0	0	0	0	1	0	1	0	0	0	0	
1	0	0	0	0	0	461	2	0	0	1	0	6	0	0	1	0	0	1	0	1	0	0	
1	0	0	0	0	0	0	2	0	93	0	0	0	1	0	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	2	4	0	1	88	0	0	1	0	5	0	0	1	0	0	0	0	
300	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
24	0	0	7	0	0	25	12	0	1	37	0	149	1	0	23	1	0	6	0	5	0	0	
1	0	0	0	0	0	1	1	0	2	5	0	0	57	0	3	0	0	0	0	1	0	0	
2	0	0	0	0	0	3	4	0	0	17	0	0	0	0	2	57	0	0	0	26	0	0	
9	0	0	0	0	0	4	4	0	0	0	0	0	0	0	624	1	0	1	0	0	0	0	
1	0	0	1	0	0	2	1	0	0	1	0	2	0	0	2	110	0	0	0	163	0	0	
20	0	0	1	0	0	3	29	0	11	90	0	0	1	0	29	0	0	17	0	0	0	0	
2	0	0	1	0	0	0	1	0	1	8	0	1	0	0	1	0	0	98	0	0	0	0	
0	0	0	68	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	5	0	0	
6	0	0	1	0	0	0	4	0	1	12	0	2	2	0	5	1	0	0	0	289	0	0	
0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	19	0	0	0	0	
3	0	0	0	0	0	0	9	0	10	2	0	0	0	0	0	0	0	2	0	0	0	0	

0.5893095135688782

mean_squared_logarithmic_error

413	0	0	0	1	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	
0	115	0	0	0	0	0	1	0	0	0	83	1	0	0	0	0	0	0	0	0	0	0	
1	0	61	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	42	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	60	2	0	0	
3	0	0	0	207	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	
0	0	0	1	0	101	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	11	1	
2	0	0	0	2	0	546	0	104	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
2	0	0	0	0	0	3	330	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	
2	0	0	0	1	0	178	1	285	0	0	0	4	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	1	0	0	0	0	7	
2	0	0	0	1	0	2	1	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	
119	0	0	0	1	0	3	1	0	0	0	181	0	0	0	1	0	0	0	0	0	0	0	
13	1	2	3	5	0	12	7	22	0	2	2	129	0	5	16	0	54	5	1	1	6	5	
0	0	0	0	0	0	1	1	0	2	2	0	0	60	0	1	0	3	0	0	1	0	0	
0	0	0	0	3	0	1	0	0	0	0	0	0	0	104	0	0	1	0	0	0	0	2	
10	0	0	0	4	0	4	9	0	0	0	0	0	0	1	608	1	5	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	0	3	1	98	1	0	0	173	0	0	
5	0	0	0	17	0	2	1	0	0	0	0	0	0	0	0	0	175	0	0	0	0	1	
4	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	9	87	0	0	7	2	
0	0	0	22	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	48	3	0	0	
2	7	0	0	0	0	0	4	0	1	2	1	5	1	6	2	0	2	0	1	287	0	2	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	19	0		
2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	20	

0.7801027297973633

squared_hinge

413	0	0	0	1	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	1	0	0	198	0	0	0	0	0	0	0	0	1	0	0	
10	0	0	0	0	0	0	4	0	1	12	2	0	0	0	14	0	15	2	4	0	0	0	
0	0	0	41	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	62	1	0	0	
3	0	0	1	189	0	0	0	0	1	0	0	1	0	2	1	0	16	0	0	0	0	0	
0	0	0	9	0	101	0	1	0	0	0	0	0	0	0	0	0	1	4	0	1	0	0	
0	0	0	0	0	0	561	0	90	0	1	0	2	0	0	2	1	0	0	0	0	0	0	
3	0	0	0	1	0	3	327	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	
1	0	0	0	0	0	225	2	241	0	1	0	1	0	0	1	0	1	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	1	0	0	0	0	0	
1	0	0	0	1	0	2	1	0	0	97	0	0	1	0	0	0	1	0	0	0	0	0	
113	0	0	0	1	0	4	1	0	0	0	186	0	0	0	1	0	0	0	0	0	0	0	
14	0	0	2	7	0	11	8	30	0	16	3	127	0	2	21	0	35	2	8	5	0	0	
1	0	0	0	0	0	1	1	0	1	5	0	0	53	1	1	0	6	1	0	0	0	0	
0	0	0	0	1	0	2	1	0	0	4	0	0	0	101	0	1	1	0	0	0	0	0	
8	0	0	0	4	0	4	6	1	0	0	0	0	0	0	614	1	4	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	4	0	0	0	2	0	73	0	0	0	201	0	0	
5	0	0	0	15	0	2	1	1	1	0	0	0	0	0	0	0	175	1	0	0	0	0	
2	0	0	0	0	0	0	3	0	0	2	0	1	0	0	1	0	9	95	0	0	0	0	
0	0	0	24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	49	2	0	0	
3	0	0	0	0	0	0	5	0	1	10	6	3	0	6	2	0	1	0	1	285	0	0	
0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2	0	4	14	0	0	0	0	
4	0	0	0	1	0	0	4	0	10	1	0	0	0	0	0	0	5	1	0	0	0	0	

0.7268403768539429

hinge

411	0	0	0	0	0	3	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	
186	0	0	0	0	0	2	0	0	0	0	0	3	0	0	4	0	0	0	0	5	0	0	
15	0	0	0	0	0	0	25	0	1	0	0	2	0	0	16	0	0	5	0	0	0	0	
13	0	0	0	0	0	0	5	0	0	0	0	22	1	0	16	0	0	1	0	49	0	0	
101	0	0	0	0	0	0	22	0	4	0	0	3	0	0	76	0	0	7	0	1	0	0	
1	0	0	0	0	99	0	1	0	0	0	0	0	0	0	0	0	0	15	0	1	0	0	
1	0	0	0	0	0	646	0	0	0	0	0	7	0	0	2	1	0	0	0	0	0	0	
5	0	0	0	0	0	3	323	0	3	0	0	0	0	0	3	1	0	0	0	0	0	0	
2	0	0	0	0	0	458	1	0	0	0	0	10	0	0	1	0	0	1	0	1	0	0	
0	0	0	0	0	0	0	2	0	94	0	0	0	1	0	1	0	0	0	0	0	0	0	
37	0	0	0	0	1	2	18	0	1	0	0	0	1	0	25	0	0	16	0	3	0	0	
298	0	0	0	0	0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
52	0	0	0	0	0	0	20	16	0	1	0	0	151	0	0	31	2	0	14	0	4	0	0
3	0	0	0	0	0	1	1	0	2	0	0	1	59	0	3	0	0	0	0	1	0	0	
8	0	0	0	0	0	3	14	0	0	0	0	0	0	0	5	59	0	0	0	22	0	0	
10	0	0	0	0	0	4	4	0	0	0	0	0	0	0	623	1	0	1	0	0	0	0	
2	0	0	0	0	0	2	0	0	0	0	0	1	0	0	3	99	0	0	0	176	0	0	
70	0	0	0	0	0	2	26	0	10	0	0	2	0	0	39	0	0	51	0	1	0	0	
4	0	0	0	0	0	0	2	0	1	0	0	1	0	0	5	0	0	100	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	10	0	0	2	0	52	0	0	
29	0	0	0	0	0	0	5	0	1	0	0	5	2	0	9	1	0	0	0	271	0	0	
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	18	0	0	0	0	
3	0	0	0	0	0	0	6	0	14	0	0	0	0	0	1	0	0	2	0	0	0	0	

0.5470800995826721

categorical_hinge

414	0	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	127	0	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	1	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1	0	0	58	0	0	0	2	0	0	0	0	0	0	0	1	0	2	0	41	2	0	0
2	0	0	0	203	0	1	0	0	1	0	0	0	0	1	1	0	5	0	0	0	0	0
1	1	0	2	0	100	0	0	0	0	0	0	0	0	0	1	0	2	3	0	0	7	0
0	0	0	0	0	0	562	0	88	0	0	0	2	0	0	4	1	0	0	0	0	0	0
3	0	0	0	1	0	3	328	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	0	0	192	1	271	0	1	0	5	0	0	1	0	1	0	0	0	0	0
1	0	0	0	1	0	0	2	0	92	0	0	0	0	0	1	0	1	0	0	0	0	0
1	0	0	0	1	0	2	1	0	0	94	0	0	1	0	2	0	2	0	0	0	0	0
102	0	0	0	1	0	4	1	0	0	0	195	0	0	0	2	0	1	0	0	0	0	0
10	1	1	3	6	0	13	9	16	0	5	2	125	0	7	16	0	69	2	1	2	3	0
3	0	0	0	0	0	1	1	0	2	1	0	0	57	1	1	0	2	1	0	1	0	0
1	0	0	0	2	0	2	0	0	0	1	0	0	0	104	1	0	0	0	0	0	0	0
7	0	0	0	5	0	4	4	0	0	0	0	0	0	1	619	0	3	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	1	0	1	0	3	0	128	1	0	0	146	0	0
5	0	0	0	20	0	2	1	0	0	0	0	1	0	0	0	0	171	1	0	0	0	0
2	0	0	1	0	0	0	1	0	1	2	0	1	0	0	3	0	9	91	0	0	2	0
0	0	0	47	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	23	3	0	0
4	37	0	0	0	0	0	2	0	3	3	0	3	1	7	4	0	3	1	1	254	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	2	1	0	0	16	0
3	0	0	0	1	0	0	3	0	7	1	0	0	0	1	0	0	9	1	0	0	0	0

0.7789613604545593

logcosh

412	0	0	0	1	0	1	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0
0	103	0	0	0	0	0	0	0	0	0	95	2	0	0	0	0	0	0	0	0	0	0
0	0	61	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
0	0	0	42	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	61	1	0	0
4	0	0	1	203	0	1	0	0	1	0	0	0	0	1	0	0	2	0	0	0	1	0
0	0	2	8	0	99	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	4	0
2	0	0	0	1	0	513	0	138	0	0	0	0	0	0	2	1	0	0	0	0	0	0
2	0	0	0	1	0	3	329	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	164	1	299	0	2	0	2	0	1	1	0	1	0	0	0	0	0
1	0	0	0	1	0	0	5	0	87	1	0	0	0	0	1	0	2	0	0	0	0	0
2	0	0	0	3	0	2	1	0	0	96	0	0	0	0	0	0	0	0	0	0	0	0
148	0	0	0	0	0	4	1	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0
14	1	12	3	25	0	9	8	39	0	8	2	101	1	7	18	0	32	3	5	1	2	0
0	0	1	0	0	0	1	2	0	2	3	0	0	56	1	1	0	4	0	0	0	0	0
1	0	0	0	3	0	1	0	2	0	2	0	0	0	101	1	0	0	0	0	0	0	0
11	0	0	0	4	0	4	5	0	1	0	0	0	0	3	612	0	2	1	0	0	0	0
0	0	0	1	0	0	1	2	1	0	1	0	1	0	5	0	99	0	0	0	172	0	0
5	0	0	0	26	0	2	1	1	2	0	0	0	0	0	0	0	163	0	0	0	1	0
2	0	0	2	0	0	0	0	0	1	1	0	1	0	0	1	0	7	87	0	0	11	0
0	0	0	17	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	52	3	0	0
3	8	1	0	0	0	0	4	0	2	5	2	4	1	13	2	0	1	0	1	276	0	0
0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0	17	0
5	0	0	0	2	0	0	6	0	7	1	0	0	0	1	0	0	3	1	0	0	0	0

0.7534715533256531

categorical_crossentropy

410	0	0	0	1	0	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3
0	131	0	0	0	0	0	1	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
0	0	0	33	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	68	3	0	0
3	0	0	0	197	0	0	2	0	2	0	0	0	0	0	1	0	7	0	0	1	1	0
0	0	0	1	0	98	0	1	0	0	0	0	1	0	0	0	0	2	1	0	1	12	0
2	0	0	0	1	0	552	0	90	1	2	0	0	0	0	7	1	0	0	0	0	0	1
2	0	0	0	2	0	2	325	0	2	0	0	0	0	2	2	0	1	0	0	0	0	0
1	0	0	0	1	0	197	2	266	0	0	0	3	0	0	2	0	2	0	0	0	0	0
0	0	1	0	0	0	0	2	0	87	0	0	0	0	0	1	0	0	0	0	0	0	7
0	0	0	0	1	0	2	1	0	0	97	0	0	1	0	0	0	2	0	0	0	0	0
91	0	0	0	0	0	3	1	0	0	0	206	1	0	0	3	0	1	0	0	0	0	0
22	1	3	2	14	0	8	18	25	0	3	2	114	1	5	22	0	37	4	3	1	3	3
0	0	0	0	0	0	1	2	0	2	2	0	1	57	1	1	0	2	1	0	1	0	0
1	0	0	0	1	0	0	1	1	0	1	0	0	0	103	1	0	0	0	0	1	0	1
7	0	0	0	3	0	2	3	0	0	0	0	1	0	0	625	0	1	1	0	0	0	0
0	0	0	1	0	0	1	1	1	0	1	0	1	0	2	0	84	1	0	0	190	0	0
5	0	0	0	18	0	0	2	0	0	0	0	0	0	0	0	0	175	1	0	0	0	0
2	0	0	0	0	0	0	3	0	1	1	0	1	0	0	1	0	7	94	0	0	2	1
0	0	0	19	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	52	2	0	0
3	16	0	0	1	0	0	4	0	2	0	0	2	1	6	4	1	2	2	1	277	0	1
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	18	0
0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	20

0.776678740978241

kullback_leibler_divergence

412	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
0	111	0	0	0	0	0	0	0	0	0	85	3	0	0	0	0	0	0	0	1	0	0
0	0	61	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
0	0	0	24	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	79	1	0
3	0	0	0	201	0	0	1	0	0	1	0	0	0	0	0	1	0	4	0	0	1	1
0	0	0	1	0	100	0	0	0	0	0	0	3	0	0	0	0	1	2	0	0	10	0
2	0	0	0	2	0	550	0	92	0	0	0	3	0	0	6	1	0	0	0	0	0	1
2	0	0	0	0	0	2	329	1	0	0	0	0	0	2	0	0	1	0	0	0	0	1
1	0	0	0	1	0	198	1	264	0	1	0	5	0	0	1	0	0	1	0	1	0	0
0	0	0	0	1	0	0	1	0	74	0	0	0	1	0	1	0	1	0	0	0	0	19
1	0	0	0	1	0	2	1	0	0	97	0	0	0	0	0	0	0	2	0	0	0	0
119	0	0	0	1	0	3	1	0	0	0	179	1	0	0	2	0	0	0	0	0	0	0
20	1	3	4	4	0	9	2	34	0	3	2	137	0	5	18	0	38	3	2	1	1	4
1	0	0	0	0	0	1	1	0	0	0	0	1	57	1	1	0	6	1	0	0	0	1
0	0	0	0	1	0	0	1	1	0	1	0	0	0	97	1	3	2	0	0	3	0	1
8	0	0	0	3	0	3	4	0	0	0	0	1	0	1	619	0	3	1	0	0	0	0
1	0	0	1	0	0	1	0	1	0	1	0	1	0	1	1	112	1	0	0	162	0	0
5	0	0	0	14	0	0	1	1	0	0	0	0	0	0	0	0	179	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	6	96	0	0	4	2
0	0	0	8	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	61	4	0	0
3	11	0	0	0	0	0	3	0	1	1	1	4	1	7	5	1	4	0	1	278	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	18	0
1	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	21

0.775537371635437

poisson

413	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
0	125	0	0	0	0	0	0	0	0	0	73	0	0	0	2	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
0	0	0	28	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	72	4	0	0
3	0	0	0	191	0	0	2	0	1	0	0	0	0	1	1	0	13	0	0	0	1	1
0	1	0	2	0	99	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	10	1
1	0	0	0	1	0	550	0	97	1	1	0	0	0	0	4	1	0	0	0	0	0	1
2	0	0	0	1	0	1	331	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
2	0	0	0	1	0	198	2	265	0	0	0	3	0	0	1	0	1	0	0	1	0	0
0	0	0	0	2	0	0	1	0	81	0	0	0	0	0	1	0	1	0	0	0	0	12
0	0	0	0	1	1	2	1	0	0	98	0	0	0	0	0	0	1	0	0	0	0	0
117	0	0	0	1	0	3	1	0	0	0	182	0	0	0	2	0	0	0	0	0	0	0
10	1	1	4	17	0	9	13	34	0	5	2	118	1	6	15	0	45	3	1	0	2	4
0	0	0	0	0	0	1	1	0	2	2	0	0	57	1	1	0	3	1	0	1	0	1
0	0	0	0	2	0	0	0	0	0	1	0	0	0	102	0	4	1	0	0	0	0	1
9	0	0	0	5	0	4	6	0	1	1	0	1	0	1	611	0	3	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	1	0	1	0	3	0	113	1	0	0	161	0	0
5	0	0	0	21	0	1	1	0	0	0	0	0	0	0	0	0	172	0	0	0	0	1
2	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	8	94	0	0	3	2
0	0	0	16	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	54	3	0	0
3	10	0	0	0	0	0	2	0	1	0	0	3	0	6	3	1	4	1	1	286	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	3	0	0	14	0
0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	22

0.7738253474235535

cosine_proximity

413	0	0	0	1	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0
0	123	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	52	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	52	1	0	0
3	0	0	1	203	0	1	0	0	1	0	0	0	0	0	1	0	4	0	0	0	0	0
0	0	0	8	0	100	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	4	0
1	0	0	0	2	0	538	0	113	0	0	0	0	0	0	2	1	0	0	0	0	0	0
5	0	1	0	1	0	3	317	0	4	0	0	0	0	2	2	0	1	1	0	0	0	1
3	0	0	0	0	0	169	1	296	0	0	0	2	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	9
1	0	0	0	1	0	2	0	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	4	1	0	0	0	173	0	0	0	1	0	0	0	0	0	0	0
17	1	5	3	8	1	10	4	30	0	5	2	127	0	5	13	1	35	5	10	2	4	3
1	0	0	0	0	0	1	0	0	2	2	0	0	61	0	1	0	3	0	0	0	0	0
2	0	0	0	2	0	1	0	1	0	1	0	0	0	102	1	0	0	0	0	0	0	1
8	0	0	0	4	0	4	2	0	1	0	0	1	0	2	617	0	3	1	0	0	0	0
1	0	0	1	0	0	1	0	1	0	1	0	0	0	4	0	113	0	0	0	161	0	0
6	0	0	0	15	0	3	1	0	1	0	0	0	0	0	0	0	174	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	5	99	0	0	2	2
0	0	0	26	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	44	3	0	0
3	11	0	0	0	1	0	2	0	2	0	1	3	1	5	3	1	4	0	1	283	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	3	0	0	16	0
2	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	19

0.7833365201950073

Nadam

mean_squared_error

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	100	0	0	0	0	0	0	0	0	0	98	0	0	0	1	0	0	0	0	1	0	0	
1	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	90	0	0	0	
2	0	0	0	203	0	0	0	0	0	0	0	0	0	1	2	0	5	0	0	1	0	0	
0	0	1	1	0	104	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	8	0	
4	0	0	0	3	0	478	1	163	0	0	0	0	0	1	4	0	1	1	0	0	0	1	
2	0	0	0	1	0	0	332	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	
2	0	0	0	2	0	108	1	351	0	1	0	4	0	0	3	0	1	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	84	0	0	0	2	0	1	0	1	0	0	0	0	7	
1	0	0	0	1	0	0	1	0	0	99	0	1	0	0	0	0	1	0	0	0	0	0	
150	0	0	0	1	0	1	1	0	0	0	151	0	0	0	2	0	0	0	0	0	0	0	
14	1	0	0	6	0	6	2	19	0	1	1	154	0	11	20	0	36	5	5	4	3	3	
1	0	0	0	1	0	1	0	0	1	0	0	1	59	1	2	0	3	0	0	0	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	2	0	0	0	0	0	
8	0	0	0	6	0	2	3	0	0	0	0	2	0	1	618	0	3	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	0	0	4	1	74	0	0	0	200	0	0	
5	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	189	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	7	98	0	0	1	1	
0	0	0	7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	68	0	0	0	
2	10	0	0	1	1	0	2	0	1	0	0	5	2	5	1	0	5	0	2	283	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	19	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	21	

0.7772493958473206

mean_absolute_error

415	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
179	0	0	0	0	0	0	1	2	0	0	0	2	0	0	4	0	0	1	0	11	0	0	
1	0	0	0	0	0	0	1	0	1	1	0	1	0	0	53	0	0	4	0	2	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	8	0	0	11	0	0	2	0	84	0	0	
15	0	0	0	0	0	2	20	0	12	10	0	18	0	0	120	0	0	6	0	11	0	0	
1	0	0	0	0	106	0	0	0	0	0	0	1	0	0	0	0	0	9	0	0	0	0	
0	0	0	0	0	0	536	0	115	0	0	0	0	0	0	4	1	0	0	0	1	0	0	
1	0	0	0	0	0	2	335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	204	1	260	0	0	0	5	0	0	1	0	0	0	0	3	0	0	
0	0	0	0	0	0	0	3	0	93	0	0	0	0	0	1	0	0	1	0	0	0	0	
1	0	0	0	0	0	2	2	0	0	98	0	0	0	0	1	0	0	0	0	0	0	0	
300	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
7	0	0	0	0	0	8	5	13	1	1	0	207	0	0	15	1	0	25	0	8	0	0	
1	0	0	0	0	0	1	1	1	13	0	0	12	0	0	5	0	0	12	0	25	0	0	
3	0	0	0	0	0	2	3	1	0	3	0	1	0	0	6	55	0	2	0	35	0	0	
6	0	0	0	0	0	3	5	1	1	1	0	2	0	0	623	0	0	1	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	2	76	0	1	0	201	0	0	
12	0	0	0	0	0	3	11	0	11	4	0	2	0	0	58	0	0	90	0	10	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	110	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	71	0	0	
3	0	0	0	0	0	0	3	0	1	0	0	6	0	0	0	0	0	3	0	307	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
2	0	0	0	0	0	0	4	0	13	0	0	0	0	0	1	0	0	5	0	1	0	0	

0.6022446155548096

mean_absolute_percentage_error

414	0	0	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
182	0	0	0	0	0	1	0	0	0	0	0	2	0	0	6	0	0	5	0	4	0	0	
5	0	0	0	0	0	0	1	0	0	0	0	0	0	27	27	0	3	0	1	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	103	3	0	0	
9	0	0	0	0	0	2	3	0	2	0	0	0	0	6	8	0	184	0	0	0	0	0	
0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	1	11	0	2	0	0	
0	0	0	0	0	0	583	1	67	0	0	0	0	0	1	4	0	0	1	0	0	0	0	
1	0	0	0	0	0	2	335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	243	1	219	0	0	0	4	0	0	1	0	1	0	0	2	0	0	
1	0	0	0	0	0	0	1	0	94	0	0	0	0	0	1	0	1	0	0	0	0	0	
1	0	0	0	0	0	2	4	0	0	94	0	0	1	0	1	0	1	0	0	0	0	0	
298	0	0	0	0	0	4	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
20	0	0	0	0	0	8	6	24	0	1	0	143	0	11	24	0	33	16	0	5	0	0	
2	0	0	0	0	1	1	1	0	2	0	0	0	58	1	1	0	4	0	0	0	0	0	
1	0	0	0	0	0	1	1	1	0	0	0	0	0	106	0	0	1	0	0	0	0	0	
6	0	0	0	0	0	4	4	0	0	0	0	0	0	2	624	0	2	1	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	3	96	0	0	1	178	0	0	
5	0	0	0	0	0	3	1	0	2	0	0	0	0	0	1	0	188	1	0	0	0	0	
2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	4	103	0	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	5	0	0	
11	0	0	0	0	0	0	2	0	1	0	0	2	0	4	3	0	3	1	1	295	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
2	0	0	0	0	0	0	2	0	16	0	0	0	0	0	2	0	1	2	0	1	0	0	

0.67034429311752 32

mean_squared_logarithmic_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	90	0	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	104	0	0	0	
2	0	0	0	207	0	0	1	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	
0	0	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	14	0	
3	0	0	0	3	0	576	0	66	1	0	0	0	0	1	4	0	1	1	0	0	0	1	
1	0	0	0	0	0	0	335	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
2	0	0	0	0	0	221	1	242	0	0	0	4	0	0	1	0	1	0	0	1	0	1	
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4	
2	0	0	0	1	0	0	1	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
140	0	0	0	1	0	3	1	0	0	0	161	0	0	0	0	0	0	0	0	0	0	0	
21	1	0	0	5	0	6	6	18	0	3	1	157	0	9	21	0	25	8	0	0	4	6	
0	0	0	0	0	0	1	1	0	1	1	0	1	59	1	2	0	3	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
8	0	0	0	3	0	2	4	0	0	0	0	1	0	1	621	0	3	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	5	1	92	2	0	0	178	0	0	
5	0	0	0	5	0	1	1	0	0	0	0	0	0	0	0	0	188	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	99	0	0	3	2	
0	0	0	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	71	0	0	0	
2	28	1	0	0	0	0	3	1	2	1	0	4	2	7	5	0	4	0	2	257	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.775537371635437

squared_hinge

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	1	0	0	0	0	0	0	0	
0	0	58	0	0	0	0	1	1	0	0	0	0	0	0	3	0	1	0	0	0	0	0	
0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	
5	0	0	0	0	0	0	3	0	5	3	0	0	0	6	2	0	190	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	0	0	1	12	0	0	0	0	
1	0	0	0	0	0	444	1	207	1	0	0	0	0	0	2	1	0	0	0	0	0	0	
1	0	0	0	0	0	0	337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	86	2	378	0	1	0	3	0	0	1	0	1	0	0	1	0	0	
0	0	0	0	0	0	0	1	0	95	1	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
76	0	0	0	0	0	3	1	0	0	0	226	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	1	0	0	6	4	26	0	7	4	174	0	11	15	0	23	13	0	2	0	0	
0	0	0	0	0	0	1	0	0	2	2	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	0	0	0	2	0	0	1	0	0	0	106	0	0	2	0	0	0	0	0	
7	0	0	0	0	0	0	1	5	1	0	0	0	2	0	1	619	0	6	1	0	0	0	0
0	0	0	1	0	0	1	0	2	0	0	0	0	0	3	1	95	0	0	0	180	0	0	
5	0	0	0	0	0	1	1	0	2	2	0	0	0	0	0	0	189	1	0	0	0	0	
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	6	103	0	0	0	0	
0	0	0	70	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	
2	0	0	1	0	0	0	3	1	2	3	1	3	5	5	3	0	1	0	0	293	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
1	0	0	0	0	0	0	2	0	17	1	1	0	0	0	0	0	3	1	0	0	0	0	

0.7422484159469604

hinge

413	0	0	0	0	0	1	0	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	
169	0	0	0	0	0	0	0	2	0	1	0	1	0	0	5	0	4	2	0	16	0	0	
0	0	0	0	0	0	0	1	0	1	1	0	0	1	28	15	0	17	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	21	0	70	0	0	13	0	0	
4	0	0	0	0	0	1	1	0	2	0	0	0	0	6	2	0	198	0	0	0	0	0	
1	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	2	6	0	2	0	0	
0	0	0	0	0	0	477	0	176	0	0	0	0	0	1	3	0	0	0	0	0	0	0	
1	0	0	0	0	0	1	329	0	4	0	0	0	0	1	0	1	1	0	0	0	0	0	
1	0	0	0	0	0	127	1	338	0	0	0	4	0	0	1	0	2	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	97	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
296	0	0	0	0	0	4	1	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	
14	0	0	0	0	0	8	2	23	1	1	0	140	0	14	13	0	66	8	0	1	0	0	
1	0	0	0	0	0	1	0	0	3	0	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	0	0	102	0	4	3	0	0	0	0	0	
6	0	0	0	0	0	0	2	3	2	1	0	0	0	0	2	621	0	5	1	0	0	0	0
0	0	0	0	0	0	1	0	1	0	0	0	0	0	5	1	95	1	0	0	179	0	0	
5	0	0	0	0	0	2	1	1	3	0	0	0	0	0	0	0	189	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	10	98	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	7	0	23	0	0	38	0	0	
3	0	0	0	0	0	0	0	1	0	5	0	0	1	1	11	7	1	4	0	0	289	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	19	0	0	0	0
1	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	4	0	0	0	0	0

0.6572189331054688

categorical_hinge

416	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	135	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	97	0	0	0	0
2	0	0	0	202	0	1	0	0	0	1	0	0	0	0	2	0	6	0	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	13	0	
1	0	0	0	0	0	556	0	95	0	0	0	0	0	1	3	0	0	1	0	0	0	0	
1	0	0	0	0	0	3	333	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	178	1	286	0	0	0	3	0	0	1	0	2	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	94	0	0	0	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	1	0	2	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	
101	0	0	0	1	0	4	1	0	0	0	197	0	0	0	1	0	1	0	0	0	0	0	
7	1	0	0	3	0	13	4	16	1	1	1	148	0	4	20	0	51	9	3	2	7	0	
2	0	0	0	0	0	1	0	0	4	0	0	1	57	1	0	0	4	0	1	0	0	0	
0	0	1	0	2	0	2	1	0	0	0	0	0	0	103	0	0	2	0	0	0	0	0	
7	0	0	0	4	0	4	4	0	0	0	0	1	0	1	616	0	5	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	2	3	72	0	1	1	200	0	0	
6	0	0	0	3	0	3	1	0	1	0	0	0	0	0	0	0	186	1	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	106	0	0	2	0	
0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	71	0	0	0	
2	21	0	0	0	0	0	2	1	2	0	0	5	0	6	4	0	4	2	1	273	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	2	0	13	0	0	0	0	0	2	0	4	2	0	0	1	0	

0.7873311638832092

logcosh

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	131	0	0	1	0	0	0	0	0	0	67	0	0	0	1	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	96	0	0	0	0
2	0	0	0	206	0	0	0	0	0	0	0	0	0	1	1	0	4	0	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	14	0	
2	0	0	0	2	0	517	2	123	1	0	0	3	0	1	5	0	0	0	0	0	0	1	
1	0	0	0	1	0	0	332	0	0	0	0	0	0	2	0	0	1	0	0	0	0	1	
2	0	0	0	0	0	150	1	310	0	0	0	7	0	0	2	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	1	0	0	0	0	4	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
171	0	0	0	1	0	2	1	0	0	0	128	0	0	0	2	0	0	0	0	0	0	1	
3	1	0	1	3	0	6	6	23	0	2	1	178	0	2	21	0	29	5	0	1	6	3	
0	0	0	0	0	0	1	0	0	3	0	0	1	56	0	4	0	5	0	0	0	0	1	
0	0	1	0	2	0	0	0	1	0	0	0	0	0	104	1	0	2	0	0	0	0	0	
8	0	0	0	4	0	1	3	0	0	0	0	0	0	1	623	0	3	0	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	1	5	94	0	0	0	179	0	0	
5	0	0	0	8	0	0	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	98	0	0	2	2	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	70	0	0	0	
2	8	0	0	0	0	0	2	1	1	0	0	13	4	3	6	0	4	0	2	274	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	23	

0.7854289412498474

categorical_crossentropy

413	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	
0	142	0	0	0	0	0	0	0	0	0	57	0	0	0	1	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	104	1	0	0	
2	0	0	1	205	0	1	0	0	0	0	0	0	0	2	2	0	1	0	0	0	0	0	
0	0	0	1	0	103	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	8	0	
0	0	0	0	1	0	585	0	60	1	0	0	1	0	1	6	0	0	1	0	0	0	1	
0	0	0	0	1	0	1	330	0	0	0	0	0	0	2	1	0	1	0	0	0	0	2	
1	0	0	0	0	0	215	1	246	0	0	0	4	0	0	3	0	1	0	0	1	0	2	
0	0	0	0	0	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	10	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
128	0	0	0	1	0	2	1	0	1	0	164	0	0	0	6	0	1	1	0	0	0	1	
3	1	0	0	3	0	8	1	29	0	2	1	167	0	6	20	0	26	12	0	1	0	11	
0	0	0	0	0	0	1	0	1	2	0	0	1	57	1	3	0	4	0	0	0	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	2	0	0	0	0	0	
7	0	0	0	1	0	1	3	0	0	0	0	1	0	1	624	0	5	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	4	3	125	0	0	0	147	0	0	
3	0	0	0	4	0	1	1	0	1	0	0	0	0	0	0	0	190	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	6	98	0	0	2	2	
0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	73	0	0	0	
1	8	0	0	0	0	0	1	2	0	0	0	8	4	6	7	0	1	0	1	280	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	

0.8006467819213867

kullback_leibler_divergence

415	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
0	121	0	0	0	0	0	0	0	0	0	79	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	95	1	0	
2	0	0	1	207	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	
0	0	1	4	0	103	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	5	1
1	0	0	0	2	0	462	2	175	1	1	0	0	0	1	7	0	2	1	0	1	0	1	
2	0	0	0	0	0	0	333	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	94	1	366	0	2	0	2	0	0	3	0	3	1	0	1	0	0	
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3	
1	0	0	0	1	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	
133	0	0	0	0	0	2	1	0	0	0	164	0	0	0	4	0	1	1	0	0	0	0	
5	1	0	0	5	0	6	5	33	1	4	2	153	0	7	27	0	17	11	0	4	4	6	
2	0	0	0	0	0	1	0	0	1	0	0	1	58	1	1	0	5	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	105	0	3	2	0	0	0	0	0	
7	0	0	0	3	0	1	4	1	0	0	0	1	0	1	623	0	1	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	3	2	114	2	0	0	158	0	0	
3	0	0	0	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	188	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	102	0	0	1	1
0	0	0	11	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	63	0	0	0	
3	12	0	0	0	0	0	3	1	1	1	0	1	2	7	4	0	1	0	1	283	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	

0.7932280898094177

poisson

414	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	116	0	0	0	0	0	1	0	0	0	82	0	0	0	1	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	
0	0	0	30	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	75	0	0	0	
2	0	0	0	202	0	0	1	0	2	1	0	0	0	2	1	0	3	0	0	0	0	0	
0	0	0	1	0	106	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	7	0	
0	0	0	0	1	0	595	2	50	1	0	0	0	0	1	5	0	0	1	0	0	0	1	
0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	254	1	209	0	0	0	5	0	0	3	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	91	0	0	0	0	0	1	0	1	0	0	0	0	4	
0	0	0	0	1	0	0	1	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0	
148	0	0	0	1	0	3	1	0	1	0	144	0	0	0	6	0	0	1	0	0	0	1	
6	1	0	1	4	0	8	10	21	0	2	1	158	0	6	18	0	35	11	0	0	3	6	
0	0	0	0	0	0	1	1	0	1	0	0	1	59	1	2	0	4	0	0	0	0	1	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	105	0	1	2	0	0	0	0	0	
6	0	0	0	0	2	0	1	4	0	0	0	0	1	0	1	625	0	3	0	0	0	0	
1	0	0	1	0	0	2	1	0	0	0	0	0	0	0	4	2	180	0	0	0	92	0	
2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	195	0	0	0	0	1
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	105	0	0	1	1	
0	0	0	22	0	0	0	0	0	0	0	0	0	2	0	0	0	0	52	0	0	0		
2	55	0	0	0	0	0	5	1	0	1	0	7	6	6	10	0	4	4	2	218	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7884725332260132

cosine_proximity

416	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
0	148	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	104	0	0	0	
2	0	0	0	210	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	12	0	
2	0	0	0	2	0	596	0	52	1	0	0	0	0	0	2	1	0	0	0	0	0	1	
1	0	0	0	1	0	1	333	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	239	1	226	0	0	0	3	0	0	1	0	0	0	0	1	0	2	
0	0	0	0	1	0	0	0	0	96	0	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	1	0	0	2	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
149	0	0	0	1	0	3	1	0	0	0	151	0	0	0	1	0	0	0	0	0	0	0	
16	1	0	1	4	0	7	6	20	5	1	1	159	0	6	17	0	23	7	1	3	5	8	
0	0	0	0	0	0	1	1	0	3	0	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	2	0	0	2	0	0	0	0	0	0	104	0	1	2	0	0	0	0	0	
8	0	0	0	5	0	2	4	1	1	0	0	0	0	1	616	0	4	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	3	0	90	0	1	1	185	0	0	
5	0	0	0	14	0	1	1	0	4	0	0	0	0	0	0	0	175	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	101	0	0	2	1	
0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	1	0	0	
2	8	1	0	0	1	0	1	0	4	0	0	2	2	5	1	1	1	1	1	290	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0	
1	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	19	

0.7888529300689697

Egyrétegű, 64 szűrőt tartalmazó háló
RMSprop

mean_squared_error

414	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	134	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	1	0	0
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	97	0	0	0
2	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	13	0
2	0	0	0	3	0	530	2	113	1	0	0	0	0	1	4	0	0	0	0	0	0	1
1	0	0	0	1	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	1	0	156	1	309	0	0	0	3	0	0	0	0	1	0	0	1	0	1
0	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	0	0	0	0	0	8
0	0	0	0	1	0	0	2	0	0	100	0	1	0	0	0	0	0	0	0	0	0	0
77	0	0	0	1	0	2	1	0	0	0	224	0	0	0	0	0	1	0	0	0	0	0
8	1	0	0	4	0	8	7	14	0	4	2	159	0	8	20	0	37	4	2	1	5	7
0	0	0	0	0	0	1	1	0	1	2	0	1	58	1	0	0	4	0	1	0	0	1
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0
8	0	0	0	6	0	2	3	0	0	0	0	1	0	1	615	0	7	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	1	0	6	2	134	0	0	0	136	0	0
5	0	0	0	7	0	0	1	0	1	0	0	0	0	0	0	0	186	0	0	0	0	1
2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	6	97	0	0	3	2
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	70	0	0	0
2	31	1	0	0	0	0	2	0	2	4	0	2	3	10	3	1	3	0	1	255	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23

0.80578279495239 26

mean_absolute_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	103	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0
5	0	0	0	0	0	1	3	0	4	3	0	0	0	16	5	0	177	0	0	0	0	0
0	0	0	1	0	106	0	0	0	0	0	0	1	0	0	0	0	2	7	0	0	0	0
1	0	0	0	0	0	650	2	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
1	0	0	0	0	0	0	335	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	461	1	0	0	0	0	7	0	1	1	0	1	0	0	0	0	0
1	0	0	0	0	0	0	1	0	95	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	101	0	1	0	0	0	0	1	0	0	0	0	0
143	0	0	0	0	0	3	1	0	0	0	159	0	0	0	0	0	0	0	0	0	0	0
5	0	0	8	0	0	26	6	0	2	7	2	167	0	8	20	0	34	6	0	0	0	0
0	0	0	1	0	0	1	0	0	5	2	0	0	59	1	1	0	1	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	108	1	0	0	1	0	0	0	0
7	0	0	0	0	0	3	5	0	0	0	0	1	0	2	623	0	1	1	0	0	0	0
0	0	0	1	0	0	2	1	0	0	0	0	1	0	5	1	122	0	1	0	149	0	0
5	0	0	0	0	0	1	1	0	5	0	0	2	0	1	0	0	186	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	4	104	0	0	0	0
0	0	0	74	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
1	0	1	3	0	0	0	3	0	1	1	3	10	1	12	4	0	1	0	0	282	0	0
0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	19	0	0	0	0
1	0	0	0	0	0	0	2	0	19	0	0	0	0	0	2	0	2	0	0	0	0	0

0.70001900196075 44

mean_absolute_percentage_error

415	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
196	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	4	0	0	1	0	0	30	0	0	0	11	14	0	0	0	0	0	0	0
5	0	0	0	0	0	0	2	0	0	9	0	13	0	5	34	0	0	2	0	37	0	0
2	0	0	0	199	0	2	2	0	3	1	0	0	0	3	2	0	0	0	0	0	0	0
0	0	0	0	0	103	0	0	0	0	1	0	1	0	0	0	0	0	12	0	0	0	0
0	0	0	0	0	0	536	0	119	0	0	0	0	0	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	3	330	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	2	0	153	1	313	0	2	0	2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	96	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	1	0	2	0	0	1	99	0	0	0	0	0	0	0	0	0	0	0	0
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	21	0	9	4	23	4	13	0	162	0	6	15	0	0	12	0	2	0	0
0	0	0	0	0	0	1	1	1	44	7	0	6	0	1	1	0	0	3	0	6	0	0
0	0	0	0	1	0	1	0	1	0	5	0	0	0	103	0	0	0	0	0	0	0	0
11	0	0	0	2	0	4	3	0	0	3	0	1	0	1	617	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	1	0	3	0	1	0	2	1	75	0	1	0	198	0	0
7	0	0	0	118	0	3	1	0	12	50	0	0	0	3	3	0	0	4	0	0	0	0
3	0	0	0	0	0	0	0	0	2	6	0	1	0	0	0	0	0	101	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	4	0	0	3	0	65	0	0
14	0	0	0	1	0	0	2	0	3	11	0	11	0	8	1	0	0	0	0	272	0	0
0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	18	0	0	0	0
2	0	0	0	1	0	0	2	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0

0.6507513523101807

mean_squared_logarithmic_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	78	0	0	0	0	0	0	0	0	1	121	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	94	1	0
2	0	0	0	205	0	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	1	0	0	0	0	3	0	0	0	13	1
4	0	0	0	3	0	519	3	116	1	0	0	1	0	0	6	1	1	1	0	0	0	1
1	0	0	0	1	0	0	333	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0
3	0	0	0	0	0	152	1	308	0	1	0	4	0	0	1	0	2	0	0	0	0	2
1	0	0	0	1	0	0	1	0	85	0	0	0	0	0	1	0	2	0	0	0	0	7
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0
219	0	0	0	1	0	1	1	0	0	0	82	0	0	0	0	0	0	1	0	0	0	1
16	1	0	1	2	0	5	3	10	0	1	1	161	1	3	14	0	55	3	1	1	4	8
1	0	0	0	0	0	1	0	0	1	0	0	1	58	1	1	0	6	0	0	0	0	1
0	0	0	0	2	0	0	1	0	0	0	0	0	0	104	0	2	2	0	0	0	0	0
10	0	0	0	3	0	1	5	0	0	0	0	2	0	1	611	0	10	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	1	0	3	1	128	3	0	0	144	0	0
5	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	191	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	5	97	0	0	3	3
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	0	0	0
3	3	1	0	0	0	0	3	1	1	0	0	10	14	3	1	0	4	0	1	275	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21

0.7677382826805115

squared_hinge

415	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	197	0	0	0	1	0	0	0	0	2	0	0
0	0	57	0	0	0	0	0	1	0	0	0	0	0	0	5	0	1	0	0	0	0	0
0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	97	2	0	0
3	0	0	0	208	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
0	0	0	1	0	104	0	0	0	0	0	0	1	0	0	0	0	1	10	0	0	0	0
0	0	0	0	1	0	580	1	62	1	1	0	1	0	1	5	0	0	1	0	1	0	2
1	0	0	0	1	0	0	335	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1	0	0	0	0	0	215	1	249	0	0	0	3	0	0	1	0	2	1	0	1	0	0
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	0	0	0	0	0	6
0	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	1	0	0	0	0	0
87	0	0	0	1	0	2	1	0	0	0	211	0	0	0	3	0	0	1	0	0	0	0
8	0	0	2	13	0	8	5	19	0	1	3	169	0	4	22	0	24	4	1	5	0	3
0	0	0	0	1	0	1	0	0	1	1	0	1	59	1	1	0	4	0	0	0	0	1
0	0	0	0	1	0	0	2	0	0	0	0	0	0	104	0	2	2	0	0	0	0	0
7	0	0	0	4	0	3	3	0	0	0	0	0	0	1	622	0	2	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	1	0	3	1	74	2	0	0	199	0	0
5	0	0	0	12	0	2	1	0	0	0	0	0	0	0	0	0	180	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	5	102	0	0	0	1
0	0	0	5	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	68	1	0	0
2	0	0	0	0	0	0	2	0	2	0	1	1	0	7	5	0	2	0	1	298	0	2
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	19	0	0	0	0
2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	20

0.7702111601829529

hinge

408	0	0	0	1	0	3	4	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
180	0	0	0	0	0	1	3	1	0	0	0	2	0	0	4	0	0	0	0	9	0	0
0	0	0	0	3	0	0	7	0	0	0	0	0	0	27	25	0	0	2	0	0	0	0
1	0	0	0	14	1	0	5	0	0	0	0	4	0	3	44	0	0	13	0	22	0	0
2	0	0	0	206	0	2	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	2	109	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
0	0	0	0	0	0	543	0	108	0	0	0	0	0	1	4	0	0	1	0	0	0	0
0	0	0	0	0	0	3	333	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	2	0	169	1	297	0	0	0	4	0	0	0	0	0	0	0	0	0	0
1	0	0	0	28	0	0	35	0	0	0	0	1	0	1	2	0	0	30	0	0	0	0
1	0	0	0	32	2	2	28	0	0	0	0	0	0	5	13	1	0	15	0	5	0	0
298	0	0	0	1	0	4	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
7	0	0	0	58	0	9	7	21	0	0	0	150	0	6	15	1	0	15	0	2	0	0
0	0	0	0	7	2	1	10	1	0	0	0	23	0	1	4	1	0	11	0	10	0	0
0	0	0	0	2	0	2	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0
7	0	0	0	8	0	4	7	0	0	0	0	1	0	1	614	0	0	1	0	0	0	0
0	0	0	0	0	0	2	1	0	0	0	0	0	0	4	1	82	0	1	0	192	0	0
5	0	0	0	187	0	2	2	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	108	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	13	0	0	2	0	59	0	0
2	0	0	0	3	0	0	12	0	0	0	0	1	0	8	0	0	0	2	0	295	0	0
0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0
2	0	0	0	8	0	0	4	0	0	0	0	0	0	4	2	0	0	6	0	0	0	0

0.6186037659645081

categorical_hinge

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	79	0	0	0	0	0	0	0	0	0	121	0	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	90	0	0	0	0
2	0	0	0	210	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	99	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	13	0	
2	0	0	0	1	0	552	0	95	0	0	0	2	0	0	4	1	0	0	0	0	0	0	0
3	0	0	0	1	0	3	330	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	195	1	270	0	0	0	4	0	0	0	0	2	0	0	0	0	0	0
3	0	0	0	1	0	0	1	0	87	0	0	0	1	0	2	0	2	0	0	0	1	0	
2	0	0	0	2	0	2	1	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	
189	0	0	0	1	0	4	0	0	0	0	111	0	0	0	1	0	0	0	0	0	0	0	
12	1	0	1	5	0	11	1	13	0	2	1	159	0	14	23	0	36	3	3	0	6	0	
1	0	0	0	0	0	1	0	0	2	0	0	1	59	1	1	0	5	0	0	0	0	0	
1	0	0	0	2	0	2	0	0	0	0	0	0	0	104	0	0	2	0	0	0	0	0	
10	0	0	0	5	0	4	3	0	0	0	0	1	0	1	617	0	2	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	5	0	82	0	0	1	190	0	0	
6	0	0	0	18	0	3	1	0	0	0	0	0	0	0	0	0	172	1	0	0	0	0	
4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	5	91	0	0	9	0	
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	67	0	0	0	
2	4	0	0	1	0	0	2	0	0	0	0	4	0	10	3	0	4	0	1	292	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
4	0	0	0	1	0	0	1	0	5	0	0	0	0	2	4	0	7	1	0	0	1	0	

0.7595586776733398

logcosh

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	131	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	104	0	0	0	0	0
3	0	0	0	199	0	1	1	0	0	3	0	0	0	0	1	0	6	0	0	0	0	0	0
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	11	0	
2	0	0	0	1	0	598	1	47	1	2	0	0	0	0	2	1	1	0	0	0	0	1	
1	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	261	1	199	0	2	0	7	0	0	1	0	0	0	0	0	0	1	
1	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	1	0	0	0	0	6	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
67	0	0	0	0	0	2	1	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	
7	1	1	0	2	0	9	2	14	0	6	1	178	0	4	16	0	34	6	0	2	5	3	
1	0	0	0	0	0	1	0	0	1	2	0	1	57	1	1	0	5	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
8	0	0	0	5	0	2	3	0	0	0	0	2	0	1	617	0	5	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	3	0	2	2	79	1	0	0	192	0	0	
5	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	192	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	5	96	0	0	4	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	0	0	0	
2	35	1	0	0	0	0	3	0	1	2	0	12	3	4	1	0	2	0	1	252	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21	

0.7922769784927368

categorical_crossentropy

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	151	0	0	1	0	0	0	0	0	0	47	0	0	0	1	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	
0	0	0	15	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	88	2	0	0	
1	0	0	0	209	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	10	0	
1	0	0	0	2	0	572	2	65	1	0	0	1	0	1	8	0	0	1	0	1	0	2	
0	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	226	1	238	0	0	0	5	0	0	2	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	83	0	0	0	0	0	1	0	2	0	0	0	0	10	
1	0	0	0	1	0	0	0	0	0	101	0	0	0	0	1	0	0	0	0	0	0	0	
91	0	1	0	1	0	2	0	0	0	0	203	0	0	0	7	0	0	0	0	0	0	1	
4	1	0	2	3	0	6	2	20	0	1	2	195	0	3	16	0	22	6	0	3	2	3	
0	0	0	0	0	0	1	0	0	1	0	0	2	57	1	3	0	4	0	0	1	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
7	0	0	0	1	0	2	2	0	0	0	0	2	0	0	626	0	3	0	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	2	0	1	2	72	0	0	0	202	0	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	198	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	98	0	1	2	2	
0	0	0	19	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	54	1	0	0	
1	20	0	0	0	0	0	3	0	1	0	0	2	0	3	4	0	2	0	1	282	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.8025490045547485

kullback_leibler_divergence

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	70	0	0	1	0	0	0	0	0	0	128	0	0	0	1	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
0	0	0	23	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	81	1	0	0	
2	0	0	0	209	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	13	0	
2	0	0	0	3	0	578	3	59	1	0	0	0	0	1	7	0	0	1	0	0	0	2	
2	0	0	0	1	0	0	333	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	237	1	228	0	0	0	3	0	0	1	0	2	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	84	0	0	0	0	0	1	0	2	0	0	0	0	8	
1	0	0	0	1	0	0	0	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0	
188	0	0	0	1	0	2	1	0	0	0	111	0	0	0	3	0	0	0	0	0	0	0	
15	1	0	3	7	0	8	2	23	0	1	2	159	0	3	22	0	27	8	1	3	1	5	
2	0	0	0	0	0	1	1	0	0	0	0	1	57	1	2	0	4	0	0	0	1	1	
0	0	0	0	2	0	0	1	0	0	0	0	0	0	104	0	2	2	0	0	0	0	0	
8	0	0	0	2	0	2	3	0	0	0	0	1	0	1	623	0	3	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	2	4	89	0	0	0	183	0	0	
5	0	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	188	0	0	0	1
3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	5	100	0	0	2	1
0	0	0	26	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	48	0	0	0	
7	17	0	0	0	0	0	2	1	1	0	0	1	1	4	2	0	3	1	1	273	7	2	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	20	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24	

0.7605097889900208

poisson

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	116	0	0	0	0	0	0	0	0	0	83	0	0	0	1	0	0	0	0	0	0	0	0
1	0	60	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	78	1	0	0	
2	0	0	0	205	0	1	0	0	0	0	0	0	0	2	2	0	1	0	0	1	0	0	
0	0	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	12	0	
3	0	0	0	0	0	549	2	94	1	0	0	0	0	1	4	0	1	1	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
2	0	0	0	0	0	193	2	273	0	0	0	1	0	0	2	0	0	0	0	1	0	0	
2	0	0	0	1	0	0	1	0	83	0	0	0	0	0	1	0	1	0	0	0	0	9	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
199	0	0	0	0	0	2	1	0	0	0	101	0	0	0	3	0	0	0	0	0	0	0	
20	1	0	0	3	0	7	6	34	0	2	1	148	0	3	16	0	22	12	1	4	3	8	
4	0	0	0	0	0	1	2	0	0	0	0	1	57	1	2	0	2	0	0	0	0	1	
0	0	0	0	0	0	0	3	0	0	0	0	0	0	105	0	1	2	0	0	0	0	0	
7	0	0	0	3	0	1	5	0	0	0	0	1	0	1	622	0	3	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	3	2	70	0	0	0	203	0	0	
5	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	191	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	105	0	1	0	1	
0	0	0	19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	56	0	0	0	
3	9	0	0	1	0	0	2	0	0	0	0	1	1	4	1	0	1	0	1	295	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7721133828163147

cosine_proximity

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	128	0	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	95	0	0	0	
2	0	0	0	209	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	11	1	
2	0	0	0	3	0	545	1	101	1	0	0	0	0	1	2	0	0	0	0	0	0	1	
3	0	0	0	1	0	1	329	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	
1	0	0	0	0	0	181	1	284	0	0	0	4	0	0	1	0	0	0	0	0	0	2	
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	0	0	0	0	0	6	
2	0	0	0	1	0	0	0	0	0	100	0	1	0	0	0	0	0	0	0	0	0	0	
130	0	1	0	1	0	3	1	0	0	0	169	0	0	0	0	0	0	0	0	0	0	1	
5	1	0	0	3	0	8	1	24	0	1	1	181	0	4	11	0	31	7	1	0	4	8	
0	0	0	0	0	0	1	0	0	2	0	0	1	59	1	0	0	5	0	1	0	0	1	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
8	0	0	0	6	0	2	3	0	0	0	0	2	0	1	616	0	5	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	4	2	123	0	0	1	149	0	0	
5	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	98	0	0	3	3	
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	0	0	0	
2	38	0	0	0	0	0	2	1	2	0	0	3	5	5	4	0	3	0	1	253	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7953205108642578

SGD

mean_squared_error

0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	390	0	0	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	156	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0
0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	75	0	0	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	197	0	0	0	0	0	0	0
0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0
0	0	0	0	0	0	115	0	0	0	0	0	0	0	0	542	0	0	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	307	0	0	0	0	0	0	0
0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	399	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	249	0	0	0	0	0	0	0
0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	235	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0
0	0	0	0	0	0	108	0	0	0	0	0	0	0	0	535	0	0	0	0	0	0	0
0	0	0	0	0	0	66	0	0	0	0	0	0	0	0	217	0	0	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	178	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0
0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	254	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0

0.123644664883613 59

mean_absolute_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124976225197315 22

mean_absolute_percentage_error

0	0	0	0	0	56	0	0	0	0	0	0	0	0	362	0	0	0	0	0	0	0	0
0	0	0	0	0	63	0	0	0	0	0	0	0	0	137	0	0	0	0	0	0	0	0
0	0	0	0	0	25	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0
0	0	0	0	0	38	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0
0	0	0	0	0	30	0	0	0	0	0	0	0	0	184	0	0	0	0	0	0	0	0
0	0	0	0	0	92	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0
0	0	0	0	0	184	0	0	0	0	0	0	0	0	473	0	0	0	0	0	0	0	0
0	0	0	0	0	43	0	0	0	0	0	0	0	0	295	0	0	0	0	0	0	0	0
0	0	0	0	0	180	0	0	0	0	0	0	0	0	294	0	0	0	0	0	0	0	0
0	0	0	0	0	26	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0
0	0	0	0	0	16	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0
0	0	0	0	0	89	0	0	0	0	0	0	0	0	217	0	0	0	0	0	0	0	0
0	0	0	0	0	78	0	0	0	0	0	0	0	0	213	0	0	0	0	0	0	0	0
0	0	0	0	0	30	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0
0	0	0	0	0	19	0	0	0	0	0	0	0	0	92	0	0	0	0	0	0	0	0
0	0	0	0	0	133	0	0	0	0	0	0	0	0	510	0	0	0	0	0	0	0	0
0	0	0	0	0	121	0	0	0	0	0	0	0	0	162	0	0	0	0	0	0	0	0
0	0	0	0	0	29	0	0	0	0	0	0	0	0	172	0	0	0	0	0	0	0	0
0	0	0	0	0	31	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0
0	0	0	0	0	37	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0
0	0	0	0	0	137	0	0	0	0	0	0	0	0	186	0	0	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0

0.035000950098037 72

mean_squared_logarithmic_error

0	0	0	0	0	0	404	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	182	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	52	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	102	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	213	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	108	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	587	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	332	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	385	0	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	89	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	103	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	288	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	268	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	62	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	592	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	249	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	198	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	93	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	57	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	257	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	16	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	24	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.128590449690818 8

squared_hinge

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0

0.122313104569911 96

hinge

0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	394	0	0	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	175	0	0	0	0	0	0	0
0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	1	0	0	0	0	0	0	202	0	0	0	0	0	0	0
0	0	0	0	0	0	87	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
0	0	0	0	0	0	210	0	0	0	0	0	0	0	0	447	0	0	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	322	0	0	0	0	0	0	0
0	0	0	0	0	0	210	0	0	0	0	0	1	0	0	263	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0	2	0	0	273	0	0	0	0	0	0	0
0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	221	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	80	0	0	0	0	0	0	0
0	0	0	0	0	0	151	0	0	0	0	0	0	0	0	492	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	2	0	0	0	0	0	0	170	0	0	0	0	0	0	0
0	0	0	0	0	0	10	0	1	0	0	0	0	0	0	190	0	0	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	1	0	0	0	0	0	0	49	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	210	0	0	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0

0.133536234498024

categorical_hinge

135	33	1	5	34	1	6	46	7	7	26	8	0	2	35	41	8	4	5	1	10	0	3
32	7	3	1	23	2	5	2	8	4	12	3	16	3	9	32	9	4	0	0	24	0	1
0	4	5	0	0	0	0	17	8	2	0	1	0	0	2	13	2	4	1	2	2	0	1
4	1	2	8	1	16	7	3	3	3	0	5	2	4	2	22	3	0	6	2	13	0	0
16	1	0	0	64	0	27	23	0	1	12	7	0	2	6	4	0	10	28	7	1	0	5
2	3	0	0	0	78	2	0	0	2	0	0	16	1	0	3	5	1	1	0	2	1	0
15	2	0	4	2	5	178	24	181	11	1	17	22	5	15	125	6	23	12	1	0	5	3
21	36	1	8	67	0	8	70	24	4	4	16	0	0	5	55	0	1	2	8	8	0	0
11	0	2	4	0	9	86	20	155	6	0	22	21	4	26	53	9	13	17	0	9	7	0
8	6	0	1	10	0	0	1	29	4	2	15	0	0	9	4	1	2	2	4	0	0	0
24	20	0	0	2	1	15	0	1	0	1	4	0	0	0	24	0	9	1	1	0	0	1
77	12	2	5	34	2	4	14	10	7	11	18	6	5	7	30	25	5	1	1	29	0	1
10	3	1	0	3	2	66	22	28	3	14	8	20	6	0	49	3	20	16	9	7	1	0
7	6	5	0	4	10	1	2	3	0	0	3	5	4	0	7	1	0	4	0	9	0	0
14	0	0	0	2	0	20	0	10	1	1	0	0	1	20	19	7	0	0	6	10	0	0
11	8	0	15	22	5	65	28	25	24	18	25	10	7	19	260	11	4	14	59	7	2	4
8	2	5	10	9	11	11	2	33	5	0	4	29	22	2	21	33	4	0	0	72	0	0
12	3	0	2	51	1	17	35	4	0	10	8	0	1	1	17	1	9	23	5	1	0	0
24	10	0	0	12	1	2	9	4	1	3	3	1	1	5	5	0	11	13	2	5	0	1
3	1	1	1	1	7	12	5	2	1	1	1	11	8	0	9	3	0	1	1	7	0	0
15	5	2	0	9	5	26	1	46	5	7	6	19	4	4	62	29	2	0	4	70	0	2
1	0	0	0	0	0	1	3	0	3	0	0	0	0	1	0	2	0	7	4	0	0	0
4	2	0	0	3	0	0	0	5	2	3	4	0	0	0	2	1	0	0	0	0	0	0

0.2193266153333557 13

logcosh

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	63	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	99	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	112	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	652	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	456	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	302	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	284	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	66	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	639	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	265	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	74	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	311	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.12402510643005371

categorical_crossentropy

401	0	0	0	2	0	2	2	0	1	0	6	0	0	2	1	0	1	0	0	0	0	0
53	32	0	0	0	0	2	0	0	0	0	109	0	0	0	1	0	0	0	0	2	0	1
1	0	5	2	0	0	0	29	1	1	2	0	0	0	5	6	5	4	0	1	2	0	0
2	1	2	21	2	5	0	7	23	0	2	0	24	1	0	7	0	0	0	0	9	0	1
7	0	0	0	186	0	0	8	0	0	0	0	0	0	1	1	0	11	0	0	0	0	0
0	0	1	0	0	95	0	5	0	0	0	0	0	1	0	0	3	0	9	0	3	0	0
1	0	0	0	3	0	534	1	106	0	0	2	5	0	1	4	0	0	0	0	0	0	0
13	0	0	0	0	0	3	306	1	2	0	0	0	0	2	8	0	3	0	0	0	0	0
2	0	0	0	3	0	258	4	191	0	1	0	15	0	0	0	0	0	0	0	0	0	0
4	0	0	0	2	0	0	39	1	49	0	0	0	0	0	2	0	1	0	0	0	0	0
13	0	0	0	2	0	2	50	0	0	13	0	0	0	0	12	0	11	0	0	0	0	1
135	20	0	0	2	0	6	1	0	0	0	134	0	0	4	1	0	1	0	0	2	0	0
15	0	0	4	34	0	30	25	73	0	6	4	59	0	2	24	1	12	1	0	1	0	0
2	0	0	1	0	2	1	7	0	7	0	0	5	21	0	10	3	5	4	1	1	0	1
2	1	0	0	2	0	1	8	0	0	1	0	0	0	89	0	5	0	0	0	2	0	0
13	1	0	0	6	4	6	22	3	1	1	0	0	0	2	570	0	12	1	0	0	1	0
0	3	0	1	0	0	1	2	2	0	1	0	4	0	1	2	117	0	0	2	147	0	0
9	0	0	0	79	0	2	9	0	2	0	0	0	0	0	3	0	97	0	0	0	0	0
6	0	0	0	0	0	0	9	1	0	3	0	0	0	0	5	0	23	66	0	0	0	0
0	0	9	14	0	0	0	0	2	0	0	0	34	0	0	4	0	0	0	1	12	0	0
24	25	0	0	1	0	0	10	1	2	6	3	1	0	8	9	1	1	0	0	231	0	0
1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	8	8	0	0	0	0
8	0	0	0	1	0	0	8	0	5	0	0	0	0	0	0	0	3	1	0	0	0	0

0.612136185169 22

kullback_leibler_divergence

395	0	0	0	2	0	6	3	0	1	0	6	0	0	2	1	0	1	0	0	0	0	1
35	38	0	0	0	0	2	0	0	2	0	119	0	0	1	2	0	0	0	0	0	0	1
0	0	9	2	1	0	0	22	1	0	3	0	0	0	3	7	2	9	0	1	2	2	0
1	1	2	16	2	5	0	9	11	0	2	0	35	1	0	8	0	0	0	0	13	0	1
6	0	0	0	175	0	0	3	0	0	0	0	0	0	0	1	2	0	27	0	0	0	0
0	0	0	0	0	95	0	3	0	0	0	0	1	2	0	2	1	0	12	0	1	0	0
0	0	0	0	2	0	583	1	58	0	0	2	5	0	1	4	0	0	0	0	1	0	0
14	0	0	0	0	0	4	300	0	1	1	0	0	0	2	13	0	3	0	0	0	0	0
1	0	0	0	1	0	313	4	129	0	1	0	24	0	1	0	0	0	0	0	0	0	0
6	0	0	0	2	0	0	39	0	39	0	0	1	0	0	4	0	6	0	0	0	0	1
5	0	0	0	2	0	2	41	0	1	22	1	0	0	0	15	0	12	2	0	0	0	1
104	20	0	0	2	0	6	1	0	0	1	164	1	0	2	2	0	0	1	0	2	0	0
14	0	2	3	29	1	43	24	51	0	7	3	73	0	3	22	1	11	1	0	3	0	0
3	0	0	2	0	1	1	5	0	8	1	0	4	18	0	9	1	2	5	0	11	0	0
2	0	1	0	0	0	1	11	0	0	0	1	0	0	88	1	4	1	0	0	1	0	0
13	0	0	0	6	4	4	14	5	0	0	0	0	0	2	581	0	11	3	0	0	0	0
0	1	0	1	0	0	1	2	2	0	1	0	4	6	2	3	122	0	2	1	135	0	0
9	0	0	0	59	1	3	6	0	1	0	0	0	0	0	4	0	118	0	0	0	0	0
5	0	0	0	0	0	0	7	1	1	4	0	0	0	0	5	0	18	72	0	0	0	0
0	1	6	13	0	0	0	1	0	0	0	0	37	4	0	4	1	2	2	0	5	0	0
14	24	1	0	0	0	0	20	0	3	10	2	4	5	11	12	0	1	16	0	200	0	0
0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	9	8	0	0	0	0
7	0	0	0	1	0	0	9	0	5	0	0	0	0	0	0	0	3	1	0	0	0	0

0.6157504320144653

poisson

0	0	0	0	0	0	62	0	18	0	0	0	2	0	0	336	0	0	0	0	0	0	0
0	0	0	0	0	0	38	0	15	0	0	0	6	0	0	141	0	0	0	0	0	0	0
0	0	0	0	0	0	20	0	13	0	0	0	0	0	0	31	0	0	0	0	0	0	0
0	0	0	0	0	3	77	0	5	0	0	0	2	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	0	54	0	4	0	0	0	1	0	0	155	0	0	0	0	0	0	0
0	0	0	0	0	1	103	0	8	0	0	0	1	0	0	4	0	0	0	0	0	0	0
0	0	0	0	0	0	357	0	77	0	0	0	0	0	0	223	0	0	0	0	0	0	0
0	0	0	0	0	0	103	0	6	0	0	0	0	0	0	229	0	0	0	0	0	0	0
0	0	0	0	0	4	256	0	90	0	0	0	11	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	29	0	11	0	0	0	1	0	0	57	0	0	0	0	0	0	0
0	0	0	0	0	0	23	0	2	0	0	0	0	0	0	79	0	0	0	0	0	0	0
0	0	0	0	0	2	64	0	16	0	0	0	7	0	0	217	0	0	0	0	0	0	0
0	0	0	0	0	0	134	0	21	0	0	0	5	0	0	131	0	0	0	0	0	0	0
0	0	0	0	0	0	28	0	8	0	0	0	2	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	52	0	11	0	0	0	1	0	0	47	0	0	0	0	0	0	0
0	0	0	0	0	0	334	0	59	0	0	0	3	0	0	247	0	0	0	0	0	0	0
0	0	0	0	0	3	177	0	25	0	0	0	15	0	0	63	0	0	0	0	0	0	0
0	0	0	0	0	0	47	0	4	0	0	0	1	0	0	149	0	0	0	0	0	0	0
0	0	0	0	0	0	50	0	23	0	0	0	0	0	0	40	0	0	0	0	0	0	0
0	0	0	0	0	0	27	0	10	0	0	0	12	0	0	27	0	0	0	0	0	0	0
0	0	0	0	0	2	168	0	54	0	0	0	17	0	0	82	0	0	0	0	0	0	0
0	0	0	0	0	0	12	0	6	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	0	0	0	8	0	2	0	0	0	1	0	0	15	0	0	0	0	0	0	0

0.13315579295158386

cosine_proximity

227	0	0	0	0	0	26	0	0	0	0	0	1	0	0	157	0	0	0	0	7	0	0
49	0	0	0	0	0	15	0	0	0	0	0	3	0	0	129	0	0	0	0	4	0	0
4	0	0	0	1	0	25	0	6	0	0	0	7	0	0	19	0	0	0	0	2	0	0
2	0	0	0	0	8	57	0	9	0	0	0	3	0	0	28	0	0	0	0	0	0	0
64	0	0	0	0	0	135	0	1	0	0	0	0	0	0	14	0	0	0	0	0	0	0
1	0	0	0	0	76	9	0	6	0	0	0	1	0	0	20	1	0	0	0	3	0	0
20	0	0	0	0	3	548	0	62	0	0	0	0	0	0	24	0	0	0	0	0	0	0
132	0	0	0	0	0	59	0	7	0	0	0	0	0	0	137	1	0	0	0	2	0	0
11	0	0	0	0	9	369	0	61	0	0	0	6	0	0	18	0	0	0	0	0	0	0
39	0	0	0	0	0	5	0	3	0	0	0	0	0	0	36	8	0	0	0	7	0	0
46	0	0	0	0	0	11	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0
118	0	0	0	0	2	37	0	2	0	0	0	4	0	0	138	0	0	0	0	5	0	0
28	0	0	0	0	5	205	0	12	0	0	0	6	0	0	34	0	0	0	0	1	0	0
6	0	0	0	0	1	4	0	0	0	0	0	4	0	0	52	2	0	0	0	2	0	0
25	0	0	0	0	0	23	0	6	0	0	0	2	0	0	30	16	0	0	0	9	0	0
64	0	0	0	0	14	44	0	49	0	0	0	11	0	0	425	24	0	0	0	12	0	0
6	0	0	0	0	12	24	0	24	0	0	0	14	0	0	176	11	0	0	0	16	0	0
79	0	0	0	0	1	92	0	1	0	0	0	0	0	0	27	1	0	0	0	0	0	0
27	0	0	0	0	0	7	0	7	0	0	0	5	0	0	50	10	0	0	0	7	0	0
1	0	0	0	0	1	33	0	1	0	0	0	12	0	0	28	0	0	0	0	0	0	0
23	0	0	0	0	10	43	0	6	0	0	0	34	0	0	188	3	0	0	0	16	0	0
3	0	0	0	0	0	3	0	7	0	0	0	3	0	0	2	3	0	0	0	1	0	0
10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	14	0	0	0	0	1	0	0

0.2606049180030823

Adagrad

mean_squared_error

410	0	0	0	1	0	1	0	0	1	0	2	0	0	2	1	0	0	0	0	0	0	0	0
3	86	0	0	0	0	0	0	1	0	0	109	0	0	0	1	0	0	0	0	0	0	0	0
0	0	36	0	1	0	0	19	0	0	2	0	0	0	0	0	0	5	0	0	0	1	0	0
0	1	1	71	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	27	3	0	0	0
6	0	0	0	188	0	1	1	0	1	0	0	0	0	0	0	0	16	0	0	0	1	0	0
0	1	0	0	0	99	0	3	0	0	0	0	0	0	0	0	0	1	13	0	0	0	0	0
1	0	0	0	0	0	565	0	84	0	0	1	2	0	1	3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	3	323	0	3	0	0	0	0	2	2	0	1	0	0	0	0	0	0
1	0	1	0	0	0	233	2	231	0	0	2	2	0	0	1	0	1	0	0	0	0	0	0
1	0	0	0	1	0	0	4	0	90	0	0	0	0	0	1	0	1	0	0	0	0	0	0
2	0	1	0	2	0	2	3	0	1	85	0	0	0	0	2	0	6	0	0	0	0	0	0
112	0	0	0	1	0	4	1	0	0	0	186	0	0	0	2	0	0	0	0	0	0	0	0
15	1	20	2	14	0	13	5	46	1	8	2	116	0	3	17	0	19	4	1	1	3	0	0
1	0	2	0	0	0	1	1	0	3	2	0	0	55	1	0	0	4	1	0	0	0	0	0
1	0	0	0	1	0	0	4	1	0	2	0	0	0	100	1	1	0	0	0	0	0	0	0
9	0	0	0	4	0	4	9	1	0	0	0	0	0	0	610	1	4	1	0	0	0	0	0
0	0	1	1	0	0	1	1	1	0	1	0	1	0	2	0	102	0	0	1	171	0	0	0
7	0	0	0	44	0	2	2	1	2	0	0	0	0	0	0	0	143	0	0	0	0	0	0
2	0	0	1	0	0	0	5	0	1	1	0	1	0	0	2	0	12	84	0	0	4	0	0
0	0	1	50	0	0	0	0	0	0	0	0	0	3	0	2	0	0	1	12	7	0	0	0
5	19	0	0	0	0	0	3	0	2	5	1	3	2	9	5	0	2	0	1	266	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	5	0	0	11	0	0
4	0	0	0	1	0	0	8	0	10	0	0	0	0	0	0	0	3	0	0	0	0	0	0

0.7359710931777954

mean_absolute_error

410	0	0	0	0	0	5	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
184	0	0	0	0	1	3	0	0	0	0	0	1	0	0	4	0	0	0	0	7	0	0
0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
2	0	0	0	0	2	0	12	0	0	0	0	32	0	0	4	0	0	0	0	55	0	0
27	0	0	0	0	0	1	162	0	0	0	0	2	0	0	21	0	0	0	0	1	0	0
0	0	0	0	0	94	0	6	0	0	0	0	0	0	0	3	3	0	0	0	11	0	0
0	0	0	0	0	0	647	0	0	0	0	0	9	0	0	0	1	0	0	0	0	0	0
11	0	0	0	0	0	4	309	0	0	0	0	0	0	0	13	1	0	0	0	0	0	0
1	0	0	0	0	0	443	3	0	0	0	0	26	0	0	0	0	0	0	0	1	0	0
2	0	0	0	0	0	0	94	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
13	0	0	0	0	0	2	78	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
293	0	0	0	0	0	6	1	0	0	0	0	1	0	0	3	0	0	0	0	2	0	0
25	0	0	0	0	0	31	57	0	0	0	0	144	0	0	21	2	0	0	0	11	0	0
2	0	0	0	0	1	1	17	0	0	0	0	5	0	0	9	0	0	0	0	36	0	0
7	0	0	0	0	0	2	42	0	0	0	0	1	0	0	1	39	0	0	0	19	0	0
11	0	0	0	0	0	4	9	0	0	0	0	5	0	0	613	1	0	0	0	0	0	0
1	0	0	0	0	0	2	1	0	0	0	0	2	0	0	2	120	0	0	0	155	0	0
20	0	0	0	0	0	2	164	0	0	0	0	1	0	0	14	0	0	0	0	0	0	0
11	0	0	0	0	0	0	80	0	0	0	0	1	0	0	15	0	0	0	0	6	0	0
0	0	0	0	0	0	0	2	0	0	0	0	22	0	0	10	0	0	0	0	42	0	0
31	0	0	0	0	0	0	16	0	0	0	0	2	0	0	8	1	0	0	0	265	0	0
0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
4	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.494959115982055666

mean_absolute_percentage_error

0	0	0	0	0	0	5	0	0	0	0	0	140	0	0	273	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	118	0	0	79	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	97	0	0	10	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	19	0	0	194	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	105	0	0	12	0	0	0	0	0	0	0
0	0	0	0	0	0	655	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	86	0	0	250	0	0	0	0	0	0	0
0	0	0	0	0	0	458	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	62	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	8	0	0	94	0	0	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0	170	0	0	130	0	0	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0	232	0	0	38	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	46	0	0	24	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	37	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	5	0	0	634	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	265	0	0	16	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	13	0	0	186	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	94	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	214	0	0	108	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	0

0.28932851552963257

mean_squared_logarithmic_error

409	0	0	0	1	0	1	0	0	0	0	3	0	0	2	1	0	0	0	0	0	0	1
1	87	0	0	0	0	0	0	1	0	0	109	0	0	0	2	0	0	0	0	0	0	0
0	0	56	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
0	1	0	79	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	22	2	0	0
4	0	0	0	191	0	0	0	0	2	0	0	1	0	1	1	0	13	0	0	0	1	0
0	1	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	1	11	0	2	0	1
2	0	0	0	0	0	547	1	95	0	0	1	3	0	0	6	1	0	0	0	0	0	1
4	0	1	0	0	0	3	321	0	3	0	0	0	0	0	2	3	0	1	0	0	0	0
2	0	0	0	1	0	215	2	247	0	1	1	2	0	0	2	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	88	0	0	0	0	0	1	0	1	0	0	0	0	8
2	0	0	0	2	0	2	1	0	1	88	0	0	0	0	2	0	4	0	0	0	0	2
106	0	1	0	1	0	4	1	0	0	0	191	0	0	0	2	0	0	0	0	0	0	0
13	1	3	1	14	0	15	5	44	0	10	3	113	0	2	16	0	35	3	5	1	4	3
1	0	0	0	0	0	1	2	0	0	3	0	0	55	1	1	0	6	0	0	0	0	1
1	0	0	0	1	0	0	4	1	0	1	0	0	0	0	99	1	2	1	0	0	0	0
11	0	0	0	4	0	3	7	0	1	0	0	2	0	0	611	1	2	1	0	0	0	0
0	0	0	1	0	0	1	1	1	0	1	0	1	0	3	1	78	1	0	1	193	0	0
7	0	0	0	47	0	0	1	0	2	0	0	3	0	0	0	0	140	0	0	0	0	1
2	0	0	0	0	0	0	3	0	1	2	0	1	0	0	2	0	10	78	1	0	12	1
0	0	0	58	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	10	4	0	0
4	19	0	0	0	0	0	3	0	1	7	0	4	1	6	2	0	3	0	1	271	0	1
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	4	3	0	0	13	0
3	0	0	0	1	0	0	2	0	3	0	0	0	0	0	0	0	3	0	0	0	0	14

0.7392048835754395

squared_hinge

406	0	0	0	0	0	2	1	1	0	0	6	0	0	0	1	0	0	0	0	1	0	0
22	0	0	0	0	0	1	0	1	0	0	175	0	0	0	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	40	0	0	0	0	3	0	0	11	0	0	0	0	2	0	0
1	0	0	0	0	0	0	14	1	0	0	0	37	0	0	5	0	0	0	0	49	0	0
74	0	0	0	0	0	1	72	0	0	0	0	1	0	0	64	0	0	0	0	2	0	0
1	0	0	0	0	0	0	8	7	0	0	0	32	0	0	8	12	0	0	0	49	0	0
0	0	0	0	0	0	539	1	115	0	0	0	1	0	0	1	0	0	0	0	0	0	0
6	0	0	0	0	0	2	327	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	0	212	2	254	0	0	0	3	0	0	0	0	0	0	0	2	0	0
7	0	0	0	0	0	0	88	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0
18	0	0	0	0	0	2	67	0	0	0	0	0	0	0	16	0	0	0	0	1	0	0
77	0	0	0	0	0	4	0	0	0	0	223	0	0	0	1	0	0	0	0	1	0	0
30	0	0	0	0	0	11	28	43	0	0	3	143	0	0	26	1	0	0	0	6	0	0
3	0	0	0	0	0	1	7	0	0	0	0	5	0	0	8	1	0	0	0	46	0	0
7	0	0	0	0	0	0	48	3	0	0	0	0	0	0	1	32	0	0	0	20	0	0
13	0	0	0	0	0	4	13	2	0	0	1	1	0	0	608	1	0	0	0	0	0	0
0	0	0	0	0	0	1	2	1	0	0	0	2	0	0	2	98	0	0	0	177	0	0
39	0	0	0	0	0	2	102	1	0	0	0	0	0	0	56	0	0	0	0	1	0	0
16	0	0	0	0	0	0	60	0	0	0	0	1	0	0	28	0	0	0	0	8	0	0
0	0	0	0	0	0	0	1	0	0	0	0	18	0	0	4	0	0	0	0	53	0	0
24	0	0	0	0	0	0	11	0	0	0	3	4	0	0	6	0	0	0	0	275	0	0
0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	9	0	0	0	0	2	0	0
7	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.5465094447135925

hinge

410	0	0	0	0	0	5	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
184	0	0	0	0	0	3	0	0	0	0	0	2	0	0	4	0	0	0	0	7	0	0
1	0	0	0	0	0	0	59	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
2	0	0	0	0	0	0	4	0	0	0	0	37	0	0	2	0	0	0	0	62	0	0
30	0	0	0	0	0	1	171	0	0	0	0	1	0	0	11	0	0	0	0	0	0	0
0	0	0	0	0	0	0	7	0	0	0	0	55	0	0	1	5	0	0	0	49	0	0
0	0	0	0	0	0	647	0	0	0	0	0	9	0	0	0	1	0	0	0	0	0	0
10	0	0	0	0	0	3	314	0	0	0	0	1	0	0	10	0	0	0	0	0	0	0
1	0	0	0	0	0	443	2	0	0	0	0	27	0	0	0	0	0	0	0	1	0	0
5	0	0	0	0	0	0	91	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	2	78	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
291	0	0	0	0	0	6	1	0	0	0	0	1	0	0	5	0	0	0	0	2	0	0
26	0	0	0	0	0	25	52	0	0	0	0	160	0	0	17	1	0	0	0	10	0	0
2	0	0	0	0	0	1	13	0	0	0	0	4	0	0	5	0	0	0	0	46	0	0
5	0	0	0	0	0	2	54	0	0	0	0	1	0	0	1	29	0	0	0	19	0	0
12	0	0	0	0	0	4	11	0	0	0	0	5	0	0	610	1	0	0	0	0	0	0
1	0	0	0	0	0	2	2	0	0	0	0	2	0	0	1	127	0	0	0	148	0	0
27	0	0	0	0	0	2	160	0	0	0	0	1	0	0	11	0	0	0	0	0	0	0
13	0	0	0	0	0	0	84	0	0	0	0	1	0	0	10	0	0	0	0	5	0	0
0	0	0	0	0	0	0	1	0	0	0	0	28	0	0	2	0	0	0	0	45	0	0
33	0	0	0	0	0	0	15	0	0	0	0	2	0	0	8	2	0	0	0	263	0	0
1	0	0	0	0	0	0	19	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0

0.4814532995223999

categorical_hinge

410	0	0	0	1	0	2	0	0	0	0	2	0	0	2	1	0	0	0	0	0	0	0	0
1	99	0	0	0	0	0	1	1	0	0	93	1	0	0	2	0	0	0	0	2	0	0	
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	
1	1	0	92	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	6	3	0	0	
2	0	0	0	200	0	1	0	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0	
0	0	0	1	0	103	0	0	0	0	2	0	1	0	0	0	0	1	9	0	0	0	0	
0	0	0	0	2	0	546	0	102	0	0	1	0	0	0	5	1	0	0	0	0	0	0	
2	0	0	0	0	0	3	329	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	186	1	275	0	0	0	5	0	0	3	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	4	0	90	1	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	2	0	2	2	0	1	85	0	0	1	0	4	0	5	0	0	0	0	0	
101	0	0	0	2	0	4	1	0	0	0	194	0	0	0	3	0	1	0	0	0	0	0	
22	1	3	7	14	0	14	4	35	0	18	2	121	0	5	15	0	28	1	0	1	0	0	
1	0	0	0	0	0	1	1	0	4	3	0	0	56	1	0	0	2	1	0	1	0	0	
1	0	0	0	3	0	1	0	0	0	5	0	0	0	100	1	0	0	0	0	0	0	0	
8	0	0	0	3	0	4	5	0	0	1	0	0	0	2	616	0	4	0	0	0	0	0	
0	0	1	1	0	0	1	1	1	0	2	0	1	0	2	1	83	0	0	0	189	0	0	
6	0	0	0	49	0	2	1	1	3	1	0	0	0	1	0	137	0	0	0	0	0	0	
3	0	0	0	0	0	0	2	0	2	2	0	1	0	0	1	0	13	89	0	0	0	0	
0	0	0	65	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	6	0	0	
6	12	0	1	0	0	0	2	0	2	7	1	4	2	6	3	0	3	0	0	274	0	0	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	10	10	0	0	0	0	
5	0	0	0	1	0	0	4	0	9	2	0	0	0	0	0	0	5	0	0	0	0	0	

0.7536618113517761

logcosh

407	0	0	0	1	0	1	0	0	1	0	5	0	0	2	1	0	0	0	0	0	0	0	0
1	78	0	0	0	0	0	0	1	0	0	117	0	0	0	2	0	1	0	0	0	0	0	
0	0	58	0	1	0	0	1	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	
0	1	0	69	0	0	0	2	0	0	0	1	0	0	1	0	1	1	0	28	4	0	0	
5	0	0	0	185	0	1	1	0	2	0	0	0	0	1	0	0	18	0	0	0	1	0	
0	1	0	0	0	99	0	2	0	0	0	0	0	0	0	0	0	1	13	0	1	0	0	
1	0	0	0	0	0	548	0	100	0	0	1	2	0	0	4	1	0	0	0	0	0	0	
3	0	0	0	0	0	0	3	323	0	3	2	0	0	0	2	0	0	2	0	0	0	0	
0	0	0	0	0	0	206	1	260	0	2	1	2	0	0	1	0	1	0	0	0	0	0	
1	0	0	0	0	0	0	5	0	88	1	0	0	0	0	1	0	2	0	0	0	0	0	
3	0	0	0	1	0	2	1	0	1	86	0	0	0	0	2	0	8	0	0	0	0	0	
96	2	0	0	1	0	4	1	0	0	0	200	0	0	0	2	0	0	0	0	0	0	0	
17	1	5	2	15	0	13	6	45	0	15	2	118	0	2	16	0	26	1	2	1	4	0	
1	0	0	0	0	0	1	1	0	1	3	0	1	55	1	0	0	6	0	0	1	0	0	
1	0	0	0	0	0	1	3	1	0	3	0	0	0	100	0	2	0	0	0	0	0	0	
8	0	0	0	3	0	4	6	1	1	3	0	1	0	1	608	1	5	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	0	3	1	91	0	0	1	180	0	0	
7	0	0	0	32	0	1	1	1	2	1	0	1	0	0	0	0	155	0	0	0	0	0	
2	0	0	1	0	0	0	4	0	1	2	0	1	0	0	2	0	12	75	0	0	13	0	
0	0	0	56	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	9	6	0	0	
7	16	0	0	0	0	0	3	0	1	9	2	9	2	9	3	0	2	0	0	260	0	0	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	4	0	0	12	0	
6	0	0	0	1	0	0	6	0	7	3	0	0	0	0	0	0	3	0	0	0	0	0	

0.7388244271278381

categorical_crossentropy

407	0	0	0	1	0	1	1	0	0	0	4	0	0	1	1	0	0	0	0	0	0	2	
10	68	0	0	0	0	1	0	0	0	0	118	1	0	0	2	0	0	0	0	0	0	0	
1	0	58	0	1	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	0	0	
0	1	0	48	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	49	3	0	0	
3	0	0	0	195	0	0	2	0	2	0	0	0	0	1	0	0	11	0	0	0	0	0	
0	0	0	0	0	100	0	0	0	0	0	0	1	0	0	0	0	1	14	0	0	1	0	
1	0	0	0	3	0	536	1	104	0	0	1	2	0	0	7	1	0	0	0	0	0	1	
3	0	0	0	0	0	3	325	0	1	0	0	0	0	2	2	0	1	0	0	0	0	1	
2	0	0	0	1	0	210	3	243	0	1	2	9	0	0	2	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	3	0	81	0	0	0	0	0	1	0	2	0	0	0	0	11	
1	0	0	0	2	0	2	4	0	1	83	0	0	0	0	5	0	5	0	0	0	0	1	
117	9	0	0	2	0	4	1	0	0	0	171	0	0	0	2	0	0	0	0	0	0	0	
18	1	2	3	16	0	14	9	46	0	8	2	95	0	4	18	0	41	4	5	0	2	3	
2	0	0	0	0	0	1	1	0	1	1	0	2	52	1	0	0	7	1	0	1	0	1	
1	0	0	0	2	0	0	2	1	0	2	0	0	0	100	1	1	1	0	0	0	0	0	
11	0	0	0	5	0	4	10	0	1	0	0	0	0	1	608	0	3	0	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	1	2	1	100	0	0	1	171	0	0	
7	0	0	0	62	0	2	2	0	1	0	0	0	0	0	0	0	126	0	0	0	0	1	
3	0	0	0	0	0	0	5	0	0	1	0	0	0	0	2	0	10	82	0	0	8	2	
0	0	0	54	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	14	4	0	0	
9	18	0	0	0	0	0	3	0	2	0	1	6	0	9	5	1	2	0	1	264	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	3	0	0	13	0	
2	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	2	0	0	0	0	16	

0.7199923992156982

kullback_leibler_divergence

407	0	0	0	1	0	1	1	0	1	0	5	0	0	1	1	0	0	0	0	0	0	0	
15	70	0	0	0	0	0	0	1	0	0	111	1	0	0	2	0	0	0	0	0	0	0	
0	0	57	0	1	0	0	1	0	0	1	0	0	0	0	2	0	2	0	0	0	0	0	
0	1	0	77	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	23	2	0	0	
4	0	0	0	192	0	0	0	0	2	0	0	0	0	0	0	0	0	16	0	0	0	0	
0	0	0	0	0	98	0	1	0	0	0	0	1	0	0	0	0	1	14	0	0	1	1	
3	0	0	0	1	0	551	1	93	0	0	1	2	0	1	3	0	0	0	0	0	0	1	
3	0	0	0	0	0	2	326	0	2	0	0	0	0	2	1	0	1	0	0	0	0	1	
1	0	0	0	1	0	231	2	226	0	0	2	8	0	0	2	0	1	0	0	0	0	0	
1	0	0	0	0	0	0	3	0	87	0	0	0	0	0	1	0	0	0	0	0	0	6	
4	0	0	0	2	0	2	3	0	1	80	0	0	0	0	6	0	5	0	0	0	0	1	
98	14	0	0	2	0	4	1	0	0	0	185	0	0	0	2	0	0	0	0	0	0	0	
23	1	3	2	14	0	14	7	48	0	6	2	103	0	3	19	0	38	2	0	0	4	2	
2	0	0	0	0	0	1	1	0	0	1	0	3	52	1	2	0	5	1	0	0	1	1	
1	0	0	0	3	0	1	3	0	0	3	0	0	0	97	1	2	0	0	0	0	0	0	
12	0	0	0	5	0	3	7	0	3	1	1	1	0	0	603	1	5	1	0	0	0	0	
0	0	0	2	0	0	1	2	1	0	1	0	1	0	2	1	90	0	0	0	182	0	0	
7	0	0	0	57	0	0	2	1	1	0	0	2	0	0	0	0	130	0	0	0	0	1	
3	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	2	0	10	83	0	0	9	1
0	0	0	62	0	0	0	0	0	0	0	0	1	3	0	1	0	0	0	7	2	0	0	
13	18	0	0	0	0	0	3	0	0	5	1	5	0	7	5	0	3	0	1	262	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	3	0	0	13	0	
3	0	0	0	1	0	0	2	0	6	0	0	0	0	0	0	0	2	0	0	0	0	12	

0.7243674993515015

poisson

405	0	0	0	1	0	1	0	0	0	0	6	0	0	2	1	0	0	0	0	0	0	2	
8	73	0	0	0	0	1	0	0	0	0	117	0	0	0	1	0	0	0	0	0	0	0	
0	0	59	0	1	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	0	0	
0	1	0	48	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	53	2	0	0	
6	0	0	0	188	0	0	1	0	2	0	0	0	0	2	0	0	14	0	0	0	1	0	
0	0	0	1	0	101	0	1	0	0	0	0	1	0	0	0	0	1	10	0	2	0	0	
2	0	0	0	1	0	520	1	121	0	1	1	2	0	1	6	0	0	0	0	0	0	1	
5	0	0	0	0	0	2	325	0	3	0	0	0	0	2	1	0	0	0	0	0	0	0	
2	0	0	0	1	0	200	3	256	0	0	1	8	0	0	2	0	1	0	0	0	0	0	
1	0	0	0	0	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	6	
4	0	0	0	2	0	2	6	0	1	74	0	0	0	0	7	0	7	0	0	0	0	1	
110	12	0	0	1	0	3	1	0	0	0	177	0	0	0	2	0	0	0	0	0	0	0	
23	1	2	0	16	0	15	7	47	1	10	2	88	0	4	19	0	46	4	1	0	3	2	
2	0	0	0	0	1	1	1	0	0	1	0	3	51	1	1	0	6	1	0	0	1	1	
1	0	0	0	2	0	0	3	1	0	2	0	0	0	100	1	1	0	0	0	0	0	0	
11	0	0	0	4	0	3	11	0	1	0	1	1	0	1	606	0	3	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	0	2	1	95	0	0	1	177	0	0	
8	0	0	0	66	0	1	2	1	2	0	0	1	0	0	0	0	119	1	0	0	0	0	
3	0	0	0	0	0	0	5	0	1	1	0	0	0	0	2	0	10	79	0	0	11	1	
0	0	0	48	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	21	3	0	0	
11	16	0	0	0	0	0	4	0	1	2	1	5	1	9	6	1	2	0	1	263	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	5	0	0	11	0	
2	0	0	0	1	0	0	3	0	5	0	0	0	0	0	0	0	2	0	0	0	0	13	

0.7152368426322937

cosine_proximity

406	0	0	0	1	0	2	0	0	0	0	4	0	0	2	1	0	0	0	0	0	0	2	
6	84	0	0	0	0	1	0	0	0	0	108	0	0	0	1	0	0	0	0	0	0	0	
0	0	58	0	1	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	
0	1	0	52	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	48	2	0	0	
4	0	0	0	189	0	1	0	0	2	0	0	0	0	1	0	0	16	0	0	0	1	0	
0	0	0	1	0	99	0	0	0	0	0	0	1	1	0	0	0	1	13	0	0	0	1	
0	0	0	0	2	0	564	0	84	0	0	1	2	0	0	3	1	0	0	0	0	0	0	
4	0	0	0	0	0	3	325	0	3	0	0	0	0	2	1	0	0	0	0	0	0	0	
0	0	0	0	1	0	230	1	233	0	1	0	6	0	0	1	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	0	0	85	0	0	0	0	0	1	0	1	0	0	0	0	9	
3	0	0	0	2	0	2	1	0	1	85	0	0	0	0	5	0	5	0	0	0	0	0	
100	2	0	0	1	0	4	1	0	0	0	197	0	0	0	1	0	0	0	0	0	0	0	
17	1	6	1	23	0	15	6	42	2	10	2	115	0	3	19	0	13	6	4	0	2	4	
2	0	0	0	0	0	1	1	0	0	2	0	1	53	1	1	0	7	1	0	0	0	1	
1	0	0	0	2	0	1	3	1	0	2	0	0	0	97	1	2	1	0	0	0	0	0	
9	0	0	0	4	0	4	8	1	2	0	1	0	0	0	609	1	3	1	0	0	0	0	
0	0	0	1	0	0	1	1	1	0	1	0	1	0	2	1	83	1	0	1	189	0	0	
6	0	0	0	53	0	2	1	1	1	0	0	0	0	0	0	0	136	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3	0	11	88	0	0	4	2	
0	0	0	39	0	0	0	0	0	0	0	0	0	3	0	1	0	0	1	27	5	0	0	
8	17	0	0	0	0	0	3	0	0	5	1	4	1	9	3	0	1	0	1	269	0	1	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	4	0	0	12	0	
3	0	0	0	1	0	0	2	0	3	0	0	0	0	0	0	0	2	0	0	0	0	15	

0.7382537722587585

Adadelta

mean_squared_error

407	0	0	0	1	0	4	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
58	26	0	0	0	0	2	3	1	0	0	102	0	0	0	4	0	1	0	0	3	0	0	0
0	0	0	1	4	0	0	42	0	1	3	0	1	0	4	3	0	4	0	0	1	0	0	0
2	1	0	9	1	2	0	25	2	0	4	0	41	0	1	2	0	0	2	0	15	0	0	0
9	0	0	0	182	0	1	8	0	0	0	0	0	0	0	1	0	13	0	0	0	0	0	0
0	0	0	1	0	93	0	6	0	0	0	0	0	0	1	1	3	0	7	0	5	0	0	0
0	0	0	0	0	0	516	1	136	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0
41	0	0	0	1	0	3	283	1	0	1	0	0	0	1	7	0	0	0	0	0	0	0	0
0	0	0	1	0	0	224	5	234	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0
17	0	0	0	3	0	0	71	0	3	1	0	0	0	0	2	0	0	1	0	0	0	0	0
21	0	0	0	3	0	2	54	0	0	6	0	0	0	0	6	0	12	0	0	0	0	0	0
126	20	0	0	2	0	5	4	0	0	1	142	1	0	2	2	0	1	0	0	0	0	0	0
15	0	0	5	36	1	13	51	45	0	10	3	85	0	4	12	0	8	1	0	2	0	0	0
2	2	0	0	1	0	1	9	0	0	3	0	6	0	0	7	3	4	4	0	29	0	0	0
6	0	0	0	3	0	1	18	2	0	0	0	0	0	76	1	3	0	0	0	1	0	0	0
12	0	0	0	7	0	4	23	1	0	0	0	2	0	3	584	0	7	0	0	0	0	0	0
0	3	0	0	0	0	1	1	1	0	2	0	5	0	0	2	151	0	0	0	117	0	0	0
12	0	0	1	98	0	2	11	1	0	0	0	0	0	0	1	0	75	0	0	0	0	0	0
14	0	0	1	0	0	0	34	0	0	0	0	0	0	0	8	0	34	22	0	0	0	0	0
0	0	0	1	0	0	0	18	0	1	1	0	33	0	0	4	2	2	1	0	13	0	0	0
18	30	0	1	1	0	0	59	0	1	11	4	1	0	28	7	2	2	4	0	154	0	0	0
2	0	0	0	0	0	0	13	0	1	0	0	0	0	0	1	0	2	3	0	0	0	0	0
11	0	0	1	0	0	0	11	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0

0.5797983407974243

mean_absolute_error

0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	400	0	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	189	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0
0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	197	0	0	0	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	84	0	0	0	0	0	0	0	0
0	0	0	0	0	0	654	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	327	0	0	0	0	0	0	0	0
0	0	0	0	0	0	468	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	99	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	284	0	0	0	0	0	0	0	0
0	0	0	0	0	0	167	0	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	108	0	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	636	0	0	0	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	271	0	0	0	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	195	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	319	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0

0.24538710713386536

mean_absolute_percentage_error

412	0	0	0	0	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
190	0	0	0	0	0	1	1	1	0	1	0	0	0	0	4	0	0	0	0	2	0	0	0
2	0	0	0	0	0	0	1	0	0	3	0	0	1	33	24	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	0	6	0	5	31	0	0	1	0	61	0	0	0
15	0	0	0	0	0	2	6	0	5	11	0	3	0	93	79	0	0	0	0	0	0	0	0
0	0	0	0	0	103	0	0	0	0	0	0	2	0	1	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	625	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	3	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	308	1	160	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	95	0	0	0	0	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	18	3	15	0	7	0	179	0	14	26	0	0	14	0	3	0	0	0
1	0	0	0	0	0	1	0	0	3	3	0	0	58	2	2	0	0	0	0	1	0	0	0
1	0	0	0	0	0	3	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	4	5	0	0	0	0	1	0	2	621	0	0	1	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	2	107	0	0	0	167	0	0	0
16	0	0	0	0	0	3	9	0	21	16	0	0	0	36	83	0	0	17	0	0	0	0	0
4	0	0	0	0	0	0	1	0	1	0	0	1	0	3	1	0	0	101	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	7	0	0	1	0	64	0	0
3	0	0	0	0	0	0	2	0	1	1	0	3	1	12	7	0	0	0	0	293	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	0
2	0	0	0	0	0	0	2	0	17	0	0	0	0	0	4	0	0	1	0	0	0	0	0

0.6267833113670349

mean_squared_logarithmic_error

315	0	0	0	5	2	7	0	3	0	0	9	1	0	0	62	6	0	0	0	8	0	0	
86	0	0	0	4	0	6	0	2	0	0	13	0	0	0	76	3	0	0	0	10	0	0	
3	0	0	0	6	1	7	1	5	0	0	2	2	0	0	27	7	0	0	0	3	0	0	
3	0	0	0	2	8	23	0	27	0	0	0	3	0	0	22	5	0	0	0	14	0	0	
65	0	0	0	53	0	44	0	26	0	0	1	0	0	0	14	4	0	0	0	7	0	0	
1	0	0	0	0	95	0	0	1	0	0	0	1	0	0	15	3	0	0	0	1	0	0	
0	0	0	0	1	1	592	0	52	0	0	1	0	0	0	9	0	0	0	0	1	0	0	
157	0	0	0	7	1	11	2	9	0	0	3	0	0	0	128	14	0	0	0	6	0	0	
2	0	0	0	0	3	380	0	80	0	0	0	1	0	0	6	1	0	0	0	1	0	0	
45	0	0	0	0	1	0	0	1	0	0	1	0	0	0	31	17	0	0	0	2	0	0	
47	0	0	0	1	0	5	0	1	0	0	2	0	0	0	47	1	0	0	0	0	0	0	
166	0	0	0	11	2	13	0	7	0	0	14	2	0	0	70	4	0	0	0	17	0	0	
26	0	0	0	4	5	163	0	49	0	0	2	1	0	0	27	7	0	0	0	7	0	0	
5	0	0	0	3	0	1	0	0	0	0	1	2	0	0	45	5	0	0	0	9	0	0	
43	0	0	0	2	0	3	1	0	0	0	0	0	0	0	8	30	0	0	0	24	0	0	
26	0	0	0	3	15	12	0	1	0	0	2	2	0	0	548	22	0	0	0	12	0	0	
5	0	0	0	1	2	5	0	24	0	0	0	1	0	0	105	59	0	0	0	81	0	0	
92	0	0	0	21	3	9	1	12	0	0	1	0	0	0	50	8	0	0	0	4	0	0	
21	0	0	0	1	3	0	1	1	0	0	0	1	0	0	67	17	0	1	0	0	0	0	
1	0	0	0	1	0	19	0	7	0	0	0	11	0	0	25	4	0	0	0	8	0	0	
21	0	0	0	9	2	5	1	7	0	0	8	5	0	0	144	58	0	1	0	62	0	0	
2	0	0	0	0	0	1	0	4	0	0	0	0	0	0	5	10	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	2	0	0	

0.3465855121612549

squared_hinge

405	0	0	0	0	0	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
153	0	0	0	0	0	3	24	0	0	0	0	0	0	0	3	0	0	0	0	17	0	0	
4	0	0	0	0	0	0	33	0	0	0	0	5	0	0	5	0	0	0	0	17	0	0	
0	0	0	0	0	0	0	24	1	0	0	0	43	0	0	2	0	0	0	0	37	0	0	
105	0	0	0	0	0	1	91	0	0	0	0	0	0	0	12	0	0	0	0	5	0	0	
1	0	0	0	0	0	0	11	8	0	0	0	68	0	0	2	0	0	0	0	27	0	0	
0	0	0	0	0	0	481	2	163	0	0	0	10	0	0	0	0	0	0	0	1	0	0	
125	0	0	0	0	0	3	196	1	0	0	0	0	0	0	10	0	0	0	0	3	0	0	
0	0	0	0	0	0	223	5	233	0	0	0	13	0	0	0	0	0	0	0	0	0	0	
55	0	0	0	0	0	0	25	0	0	0	0	0	0	0	2	0	0	0	0	16	0	0	
41	0	0	0	0	0	2	54	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	
250	0	0	0	0	0	5	26	1	0	0	0	0	0	0	7	0	0	0	0	17	0	0	
15	0	0	0	0	0	16	106	48	0	0	0	75	0	0	8	0	0	0	0	23	0	0	
3	0	0	0	0	0	1	11	0	0	0	0	3	0	0	12	0	0	0	0	41	0	0	
75	0	0	0	0	0	2	5	1	0	0	0	0	0	0	1	0	0	0	0	27	0	0	
16	0	0	0	0	0	2	42	1	0	0	0	8	0	0	558	0	0	0	0	16	0	0	
2	0	0	0	0	0	1	5	2	0	0	0	14	0	0	2	0	0	0	0	257	0	0	
82	0	0	0	0	0	2	97	1	0	0	0	0	0	0	16	0	0	0	0	3	0	0	
38	0	0	0	0	0	0	40	0	0	0	0	1	0	0	14	0	0	0	0	20	0	0	
0	0	0	0	0	0	0	7	1	0	0	0	40	0	0	5	0	0	0	0	23	0	0	
39	0	0	0	0	0	0	60	0	0	0	0	2	0	0	4	0	0	0	0	218	0	0	
3	0	0	0	0	0	0	9	0	0	0	0	1	0	0	2	0	0	0	0	7	0	0	
21	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.41202205419540405

hinge

0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	387	0	0	0	0	0	0	0	
0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	192	0	0	0	0	0	0	0	
0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	
0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	
0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	118	0	0	0	0	0	0	0	
0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	97	0	0	0	0	0	0	0	
0	0	0	0	0	0	646	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	312	0	0	0	0	0	0	0	
0	0	0	0	0	0	467	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	97	0	0	0	0	0	0	0	
0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0	
0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	271	0	0	0	0	0	0	0	
0	0	0	0	0	0	206	0	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	105	0	0	0	0	0	0	0	
0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	631	0	0	0	0	0	0	0	
0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	256	0	0	0	0	0	0	0	
0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	167	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	
0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	309	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	

0.24291421473026276

categorical_hinge

414	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
0	177	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	57	1	0	0	2	0	0	0	0	0	0	0	1	0	1	0	42	3	0	0	0
2	0	0	0	206	0	1	0	0	0	0	0	0	0	1	1	0	3	0	0	0	0	0	0
0	0	2	6	1	104	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0
0	0	0	0	1	0	538	0	110	0	0	0	3	0	0	4	1	0	0	0	0	0	0	0
1	0	0	0	3	0	2	331	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	167	1	297	0	0	0	4	0	0	1	0	2	0	0	1	0	0	0
0	0	0	0	2	0	0	2	0	92	0	0	0	0	0	1	0	1	0	0	0	0	0	0
1	0	0	0	1	0	2	1	0	0	98	0	0	1	0	0	0	0	0	0	0	0	0	0
79	0	1	0	1	0	4	1	0	0	0	217	0	0	0	2	0	1	0	0	0	0	0	0
5	1	1	4	22	0	9	7	22	0	4	2	146	0	5	13	0	38	3	4	5	0	0	0
0	0	0	0	1	0	1	0	0	2	2	0	0	59	1	1	0	4	0	0	0	0	0	0
1	0	0	0	2	0	1	1	2	0	1	0	0	0	98	1	2	2	0	0	0	0	0	0
8	0	0	0	6	0	4	4	0	0	0	0	0	0	0	615	0	5	1	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	1	0	0	0	2	0	109	1	0	0	167	0	0	0
5	0	0	0	27	0	2	1	1	0	0	0	0	0	0	0	0	164	1	0	0	0	0	0
3	0	0	1	0	0	0	0	0	1	1	0	1	0	0	2	0	6	98	0	0	0	0	0
0	0	0	37	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	31	3	0	0	0
1	13	0	0	2	0	0	2	0	1	3	0	3	0	6	2	1	3	0	1	285	0	0	0
0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	1	0	8	9	0	0	0	0	0
3	0	0	0	1	0	0	2	0	9	1	0	0	0	0	1	0	8	1	0	0	0	0	0

0.7983641028404236

logcosh

184	0	0	0	0	0	22	0	7	0	0	0	0	0	0	205	0	0	0	0	0	0	0	0
24	0	0	0	0	0	18	0	1	0	0	0	0	0	0	157	0	0	0	0	0	0	0	0
3	0	0	0	0	0	23	0	11	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0
1	0	0	0	0	6	64	0	8	0	0	0	1	0	0	27	0	0	0	0	0	0	0	0
72	0	0	0	0	0	121	0	1	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0
1	0	0	0	0	59	25	0	11	0	0	0	1	0	0	20	0	0	0	0	0	0	0	0
36	0	0	0	0	1	522	0	54	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0
93	0	0	0	0	0	52	0	6	0	0	0	0	0	0	187	0	0	0	0	0	0	0	0
9	0	0	0	0	6	359	0	63	0	0	0	1	0	0	36	0	0	0	0	0	0	0	0
33	0	0	0	0	0	3	0	18	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0
30	0	0	0	0	0	11	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0
89	0	0	0	0	2	34	0	5	0	0	0	0	0	0	175	0	0	0	0	1	0	0	0
33	0	0	0	0	3	203	0	12	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0
4	0	0	0	0	1	8	0	7	0	0	0	1	0	0	50	0	0	0	0	0	0	0	0
17	0	0	0	0	0	42	0	15	0	0	0	0	0	0	36	0	0	0	0	0	1	0	0
47	0	0	0	0	8	89	0	92	0	0	0	0	0	0	407	0	0	0	0	0	0	0	0
6	0	0	0	0	10	66	0	25	0	0	0	6	0	0	170	0	0	0	0	0	0	0	0
62	0	0	0	0	1	81	0	2	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0
14	0	0	0	0	0	7	0	26	0	0	0	0	0	0	66	0	0	0	0	0	0	0	0
0	0	0	0	0	1	36	0	5	0	0	0	2	0	0	32	0	0	0	0	0	0	0	0
20	0	0	0	0	6	76	0	38	0	0	0	5	0	0	178	0	0	0	0	0	0	0	0
3	0	0	0	0	0	5	0	12	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0

0.23492486774921417

categorical_crossentropy

413	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
0	139	0	0	0	0	0	0	0	0	0	60	0	0	0	1	0	0	0	0	0	0	0	0
1	0	59	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	97	0	0	0	0
2	0	0	0	203	0	0	1	0	1	1	0	0	0	1	1	0	4	0	0	0	0	0	0
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	10	1	0
0	0	0	0	1	0	613	2	30	1	1	0	0	0	0	6	1	0	1	0	0	0	1	0
0	0	0	0	0	0	0	337	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	317	1	145	0	1	0	5	0	0	1	0	1	0	0	1	0	1	0
0	0	0	0	0	0	0	1	0	84	0	0	0	0	0	1	0	2	0	0	0	0	10	0
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	1	0	1	0	2	1	0	0	0	175	0	0	0	3	0	0	0	0	0	0	1	0
12	1	0	3	2	0	7	9	20	0	5	1	166	0	4	19	0	27	6	0	1	3	5	0
0	0	0	0	0	0	1	2	0	0	0	0	1	59	1	2	0	4	0	0	0	0	1	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	0
7	0	0	0	2	0	1	5	0	0	0	0	2	0	1	620	0	4	0	0	0	0	1	0
1	0	0	1	0	0	2	0	0	0	1	0	2	0	3	0	84	0	0	0	189	0	0	0
3	0	0	0	3	0	2	1	0	0	0	0	0	0	0	0	0	191	0	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	99	0	0	3	2	0
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	1	0	0	0
2	30	0	0	0	1	0	6	0	0	0	0	4	1	6	3	0	2	0	1	263	0	4	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	23	0

0.7761080265045166

kullback_leibler_divergence

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	148	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	6	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	99	0	0	0
2	0	0	0	204	0	1	0	0	0	3	0	0	0	2	2	0	0	0	0	0	0	0	0
0	1	0	1	0	101	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	12	0	
0	0	0	0	1	0	578	0	69	1	1	0	0	0	1	4	0	0	1	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	205	1	260	0	2	0	2	0	0	1	0	0	1	0	1	0	0	
0	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	2	0	0	0	0	3	
0	0	0	0	1	0	1	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
73	0	0	0	1	0	2	1	0	0	0	225	0	0	0	3	0	0	1	0	0	0	0	
6	1	0	1	4	0	10	7	36	0	4	2	153	1	8	15	0	23	9	0	2	5	4	
1	0	0	0	0	0	1	1	1	1	2	0	1	59	1	2	0	0	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
8	0	0	0	2	0	1	4	0	0	0	0	1	0	1	623	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	4	2	114	0	0	0	160	0	0	
4	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	192	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	100	0	0	4	2	
0	0	0	12	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	62	0	0	0	
2	36	0	0	0	0	1	0	0	0	0	1	4	8	2	0	2	0	1	264	0	2		
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0		
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24	

0.8074947595596313

poisson

409	0	0	0	1	0	1	0	0	0	0	2	0	0	1	2	0	0	0	0	0	0	2	
2	100	0	0	0	0	0	0	0	0	0	96	0	0	0	1	0	0	0	0	1	0	0	
0	0	51	0	1	0	0	8	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	
0	0	0	92	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	11	1	0	0	
3	0	0	0	191	0	0	1	0	3	0	0	0	0	1	0	0	11	0	0	1	1	2	
0	0	0	1	0	100	0	0	0	0	0	0	1	1	0	0	0	1	10	0	1	2	0	
1	0	0	0	2	0	562	1	73	0	1	0	10	0	0	5	1	0	0	0	0	0	1	
4	0	1	0	2	0	2	321	0	4	0	0	0	0	2	2	0	0	0	0	0	0	0	
2	0	0	0	2	0	227	2	216	0	1	1	21	0	0	1	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	9	
2	0	0	0	3	0	2	1	0	1	88	0	0	0	0	1	0	5	0	0	0	0	1	
85	7	0	0	0	3	1	0	0	0	0	208	0	0	0	2	0	0	0	0	0	0	0	
16	1	4	5	32	0	8	11	24	1	8	2	120	1	6	16	0	26	3	0	0	3	4	
1	0	0	0	0	0	1	2	0	1	1	0	0	56	1	0	0	5	2	0	0	0	1	
0	0	0	0	3	0	0	0	2	0	1	0	0	0	101	0	2	1	0	0	0	0	1	
8	0	0	0	7	0	3	6	0	1	2	0	3	0	1	606	0	5	1	0	0	0	0	
0	0	0	0	0	0	3	1	0	0	0	208	0	0	0	2	0	0	0	0	0	0	0	
5	0	0	0	42	0	2	2	0	2	0	0	1	0	0	0	0	146	1	0	0	0	0	
2	0	0	0	0	0	0	2	0	1	2	0	1	0	0	1	0	13	89	0	0	1	1	
0	0	0	63	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	6	2	0	1	
6	32	0	0	0	0	0	1	0	2	1	0	6	2	10	7	1	4	2	1	246	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	0	0	11	0	
1	0	0	0	0	0	0	1	0	6	0	0	0	0	0	0	0	3	0	0	0	0	15	

0.7515693306922913

cosine_proximity

416	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
0	105	0	0	0	0	0	1	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	
0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	102	0	0	0	
2	0	0	0	206	0	0	0	0	0	0	0	0	0	1	1	0	4	0	0	0	0	0	
0	0	0	1	0	98	0	0	0	0	0	0	1	0	0	0	0	2	2	0	0	13	0	
3	0	0	0	2	0	553	1	91	0	0	0	0	0	0	5	1	0	0	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
3	0	0	0	1	0	167	1	296	0	0	0	2	0	0	1	0	0	1	0	1	0	1	
2	0	0	0	1	0	0	1	0	81	0	0	0	0	0	1	0	2	1	0	0	0	9	
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
158	0	0	0	1	0	2	1	0	0	0	143	0	0	0	1	0	0	0	0	0	0	0	
13	1	1	1	2	0	9	10	20	0	1	0	121	0	8	18	0	60	5	2	3	9	7	
1	0	0	0	0	0	1	0	0	1	0	0	1	58	1	1	0	6	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	1	0	0	0	102	0	4	2	0	0	0	0	0	
9	0	0	0	4	0	3	4	0	0	0	0	0	0	1	617	0	4	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	3	1	71	3	0	0	202	0	0	
5	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	7	94	0	0	7	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	2	0	0	
2	9	0	0	0	0	0	3	0	1	0	0	2	2	3	3	0	7	1	1	286	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21	

0.769260048866272

Adam

mean_squared_error

414	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
0	152	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	86	0	0	0	0
2	0	0	0	210	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	15	0	
3	0	0	0	3	0	511	2	131	1	0	0	0	0	1	3	0	1	0	0	0	0	1	
1	0	0	0	1	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	119	1	343	0	0	0	2	0	0	1	0	4	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
112	0	0	0	1	0	2	1	0	0	0	187	0	0	0	1	0	1	0	0	0	0	1	
12	1	0	2	2	0	7	6	23	0	1	1	133	0	6	21	0	62	4	1	1	3	5	
1	0	0	0	0	0	1	1	0	1	0	0	1	59	1	1	0	4	0	0	0	0	1	
0	0	0	0	2	0	0	2	0	0	0	0	0	0	105	0	0	2	0	0	0	0	0	
8	0	0	0	5	0	2	4	0	0	0	0	0	0	1	617	0	6	0	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	0	0	4	0	98	3	0	0	175	0	0	
5	0	0	0	6	0	0	1	0	1	0	0	0	0	0	0	0	187	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	5	97	0	0	3	2	
0	0	0	8	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	0	0	0	
2	23	0	0	0	0	0	1	0	2	0	0	1	3	5	2	1	6	1	1	271	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7985543012619019

mean_absolute_error

416	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
193	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	0	0	0	0	2	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	59	0	0	0	0	2	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	66	0	0	0	0	34	0	0	
41	0	0	0	0	0	2	0	1	0	0	0	11	0	0	154	0	0	0	0	5	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	38	0	0	59	0	0	0	0	12	0	0	
0	0	0	0	0	0	538	0	114	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
60	0	0	0	0	0	2	0	0	0	0	0	5	0	0	248	0	0	0	0	23	0	0	
2	0	0	0	0	0	182	0	284	0	0	0	5	0	0	0	0	0	0	0	1	0	0	
19	0	0	0	0	0	0	0	1	0	0	0	5	0	0	69	0	0	0	0	4	0	0	
10	0	0	0	0	0	2	0	0	0	0	0	1	0	0	82	0	0	0	0	9	0	0	
300	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
26	0	0	0	0	0	8	0	15	0	0	0	179	0	0	54	0	0	0	0	9	0	0	
1	0	0	0	0	0	1	0	1	0	0	0	7	0	0	21	0	0	0	0	40	0	0	
2	0	0	0	0	0	1	0	2	0	0	0	1	0	0	18	0	0	0	0	87	0	0	
7	0	0	0	0	0	4	0	0	0	0	0	1	0	0	631	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	4	0	0	0	0	277	0	0	
27	0	0	0	0	0	2	0	1	0	0	0	2	0	0	163	0	0	0	0	6	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	8	0	0	76	0	0	0	0	5	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	59	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	4	0	0	14	0	0	0	0	300	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	16	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	3	0	0	

0.44664257764816284

mean_absolute_percentage_error

413	0	0	0	0	0	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
184	0	0	0	0	0	1	1	0	0	0	0	1	2	0	6	0	0	0	0	5	0	0	
0	0	0	0	0	0	0	20	0	0	0	0	0	4	0	40	0	0	0	0	0	0	0	
0	0	0	0	0	1	0	14	0	0	0	0	1	4	0	73	0	0	0	0	14	0	0	
7	0	0	0	0	0	2	39	1	7	0	0	2	2	0	152	0	0	0	0	2	0	0	
0	0	0	0	0	107	0	0	0	0	0	0	0	1	0	1	0	0	8	0	0	0	0	
0	0	0	0	0	0	580	0	75	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
4	0	0	0	0	0	3	317	0	4	0	0	1	0	0	8	1	0	0	0	0	0	0	
1	0	0	0	0	0	213	2	253	0	0	0	4	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	97	0	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	2	47	0	1	0	0	0	3	0	47	0	0	2	0	0	0	0	
297	0	0	0	0	0	4	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
11	0	0	0	0	0	11	34	24	0	0	0	146	7	0	44	1	0	11	0	2	0	0	
0	0	0	0	0	0	1	2	0	4	0	0	1	51	0	9	0	0	1	0	2	0	0	
1	0	0	0	0	0	2	6	1	0	0	0	1	2	0	30	37	0	0	0	31	0	0	
6	0	0	0	0	0	4	1	0	0	0	0	1	0	0	631	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	2	0	0	0	0	0	1	0	3	113	0	0	0	162	0	0	
8	0	0	0	0	0	3	60	0	11	0	0	0	7	0	100	0	0	12	0	0	0	0	
2	0	0	0	0	0	0	2	0	1	0	0	1	1	0	6	0	0	100	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	14	0	31	0	0	2	0	26	0	0	
2	0	0	0	0	0	0	14	0	1	0	0	2	6	0	9	0	0	0	0	289	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	18	0	0	0	0	
2	0	0	0	0	0	0	2	0	17	0	0	0	2	0	3	0	0	0	0	0	0	0	

0.5891192555427551

mean_squared_logarithmic_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	117	0	0	1	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	85	1	0	0	
2	0	0	0	207	0	1	0	0	1	0	0	0	0	0	1	2	0	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	0	0	0	1	0	0	0	0	1	0	0	12	0		
2	0	0	0	1	0	573	1	72	1	1	0	0	0	1	4	0	0	0	0	0	0	1	
1	0	0	0	1	0	1	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	213	2	251	0	0	0	1	0	1	1	0	0	0	0	1	0	2	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
155	0	0	0	1	0	3	1	0	0	0	146	0	0	0	0	0	0	0	0	0	0	0	
8	1	0	1	2	0	11	8	18	0	2	1	169	1	7	21	0	14	7	2	0	7	11	
0	0	0	0	0	0	1	0	0	3	1	0	1	58	1	1	0	3	0	0	1	0	1	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
8	0	0	0	3	0	1	5	0	0	0	0	1	0	1	621	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	4	4	100	0	0	0	171	0	0	
6	0	0	0	7	0	0	1	0	0	1	0	0	0	1	0	0	184	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	101	0	0	5	1	
0	0	1	12	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	60	0	0	0	
2	22	4	0	0	0	0	3	0	1	0	0	3	7	6	3	0	0	1	1	266	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7856191992759705

squared_hinge

416	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	1	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	106	0	0	0	
3	0	0	0	206	0	0	1	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	
0	0	0	0	0	105	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	0	
1	0	0	0	1	0	568	0	82	0	1	0	1	0	1	2	0	0	0	0	0	0	0	
2	0	0	0	1	0	0	332	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	
1	0	0	0	0	0	202	1	261	0	1	0	2	0	3	1	0	2	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	94	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
144	0	0	0	1	0	3	1	0	0	0	157	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	7	0	9	2	23	0	2	2	148	0	27	18	0	26	9	1	2	0	0	
0	0	0	0	0	0	1	0	0	3	2	0	1	57	1	1	0	5	0	0	0	0	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	1	0	0	0	0	0	
8	0	0	0	3	0	2	4	0	0	0	0	1	0	1	619	0	5	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	1	0	5	0	80	0	0	1	194	0	0	
5	0	0	0	9	0	2	1	0	0	0	0	0	0	1	0	0	182	1	0	0	0	0	
3	0	0	0	0	0	0	0	1	0	0	0	2	0	1	2	0	6	97	0	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	73	1	0	0	
2	0	1	0	0	0	0	2	0	1	0	1	2	1	12	1	0	2	0	1	297	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	18	0	0	0	0	
1	0	0	0	1	0	0	2	0	17	0	1	0	0	0	1	0	3	0	0	0	0	0	

hinge

413	0	0	0	0	0	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
188	0	0	0	0	0	1	1	1	0	0	0	2	1	0	3	0	0	0	0	3	0	0	
11	0	0	5	0	0	0	1	0	0	0	0	0	1	0	44	0	0	2	0	0	0	0	
0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	7	0	0	
87	0	0	0	0	0	2	18	0	0	10	0	5	0	0	91	0	0	0	0	1	0	0	
6	0	0	1	0	104	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0	0	
0	0	0	0	0	0	522	1	130	0	0	0	0	0	0	3	1	0	0	0	0	0	0	
1	0	0	0	0	0	3	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	138	1	327	0	0	0	5	0	0	1	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	25	0	0	2	0	1	37	0	12	0	0	4	0	0	0	0	
2	0	0	0	0	0	2	2	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	10	5	18	0	1	0	182	0	0	33	0	0	10	0	1	0	0	
2	0	0	0	0	0	1	2	0	0	0	0	3	57	0	5	0	0	1	0	0	0	0	
12	0	0	0	0	0	2	3	1	0	6	0	1	0	0	15	45	0	1	0	25	0	0	
10	0	0	0	0	0	4	5	0	0	1	0	0	0	0	621	0	0	2	0	0	0	0	
0	0	0	2	0	0	1	0	1	0	1	0	0	0	0	2	48	0	1	0	227	0	0	
66	0	0	0	0	0	3	10	0	0	12	0	0	1	0	80	0	0	28	0	1	0	0	
7	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	101	0	0	0	0	
0	0	0	73	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	
9	0	0	1	0	1	0	4	0	0	0	0	3	0	0	6	0	0	2	0	297	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	12	0	0	0	0	
8	0	0	0	0	0	0	5	0	0	0	0	1	0	0	9	0	0	2	0	1	0	0	

0.6092828512191772

categorical_hinge

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	98	0	0	1	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
1	0	0	14	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	87	2	0	0	0
2	0	0	0	209	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
0	0	0	1	0	100	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	12	0	
2	0	0	0	2	0	551	0	94	0	0	0	2	0	1	4	0	0	1	0	0	0	0	
3	0	0	0	1	0	3	330	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
2	0	0	0	0	0	191	1	269	0	1	0	7	0	0	1	0	0	1	0	1	0	0	
1	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	3	0	0	0	0	0	
1	0	0	0	1	0	2	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
168	0	0	0	1	0	2	1	0	0	0	131	0	0	0	1	0	1	1	0	0	0	0	
8	1	0	3	3	0	8	2	6	0	3	1	181	0	3	17	0	45	6	0	2	2	0	
0	0	0	0	0	0	1	0	0	2	2	0	1	57	1	1	0	6	0	0	0	0	0	
0	0	0	0	2	0	1	1	0	0	0	0	0	0	105	0	0	2	0	0	0	0	0	
8	0	0	0	5	0	4	4	0	0	0	0	1	0	1	613	0	6	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	1	0	3	0	1	2	79	0	0	0	194	0	0	
5	0	0	0	3	0	3	1	0	0	0	0	0	0	0	0	0	188	1	0	0	0	0	
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	7	97	0	0	3	0	
0	0	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	66	1	0	0	
2	3	0	0	1	0	0	2	0	1	1	0	3	1	6	2	0	6	0	1	294	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	2	0	5	0	0	0	0	1	3	0	11	1	0	0	0	0	

0.7743906018972778

logcosh

417	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
0	119	0	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	93	0	0	0	
2	0	0	0	202	0	0	0	0	2	0	0	0	0	2	1	0	5	0	0	0	0	0	
0	1	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	14	0	
4	0	0	0	2	0	561	1	78	1	0	0	0	0	1	5	0	1	1	0	0	0	2	
1	0	0	0	1	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	201	1	263	0	0	0	3	0	0	1	0	1	0	0	1	0	1	
0	0	0	0	0	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	3	
2	0	0	0	1	0	1	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
149	0	0	0	0	0	1	0	0	0	0	156	0	0	0	0	0	0	0	0	0	0	0	
17	1	0	0	2	0	10	5	25	0	1	2	144	0	4	26	0	34	9	2	2	3	4	
1	0	0	0	0	0	1	0	0	1	0	0	1	57	1	1	0	6	0	0	0	0	2	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
8	0	0	0	3	0	2	3	0	0	0	0	0	0	1	621	0	5	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	4	1	89	0	0	0	185	0	0	
5	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	192	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0	0	3	1	
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	0	0	0	
4	19	0	0	0	0	0	1	0	2	0	0	5	0	5	4	0	2	2	1	275	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	19	

0.7825756072998047

categorical_crossentropy

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	113	0	0	0	0	0	0	0	0	0	86	0	0	0	1	0	0	0	0	0	0	0	
1	0	60	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	64	0	0	0	
2	0	0	0	206	0	1	0	0	0	1	0	0	0	1	1	0	1	0	0	1	0	0	
0	1	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	14	0	
2	0	0	0	2	0	482	2	159	1	0	0	0	0	1	5	0	0	1	0	1	0	1	
1	0	0	0	0	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	112	2	354	0	2	0	1	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	5	
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
152	0	0	0	0	0	2	1	0	0	0	147	0	0	0	3	0	0	1	0	0	0	0	
12	1	0	3	4	0	6	4	30	0	6	2	148	0	8	21	0	25	9	0	1	4	7	
2	0	0	0	0	0	1	0	0	1	2	0	0	59	1	2	0	2	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
7	0	0	0	2	0	1	4	0	0	0	0	0	0	1	624	0	4	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	2	0	0	0	1	1	66	0	1	0	209	0	0	
4	0	0	0	5	0	0	1	0	1	0	0	0	0	0	0	0	189	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	98	0	1	4	1	
0	0	0	33	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	38	2	0	0	
2	22	0	0	0	1	0	2	0	0	0	0	1	3	6	3	0	2	0	1	275	1	4	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7783907055854797

kullback_leibler_divergence

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	75	0	0	0	0	0	0	0	0	0	124	0	0	0	1	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	
0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	89	1	0	0	
2	0	0	0	208	0	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
1	1	0	2	0	105	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	5	0	
5	0	0	0	2	0	560	2	75	1	0	0	0	0	1	7	0	0	1	0	1	0	2	
1	0	0	0	0	0	0	334	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
3	0	0	0	0	0	224	1	237	0	0	0	1	0	0	4	0	2	0	0	1	0	1	
1	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	0	0	0	0	0	7	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
154	0	0	0	1	0	1	1	0	0	0	145	0	0	0	4	0	0	0	0	0	0	0	
16	1	0	1	4	0	7	3	19	0	1	1	161	0	8	23	0	18	9	1	6	1	11	
3	0	0	0	0	0	1	1	0	0	0	0	1	57	1	2	0	2	0	0	2	0	1	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
7	0	0	0	2	0	1	2	0	0	0	0	1	0	1	627	0	2	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	0	0	4	1	61	0	0	0	213	0	0	
6	0	0	0	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	185	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	100	0	1	0	2
0	0	0	20	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	54	1	0	0	
4	12	0	0	0	0	0	0	0	0	0	0	1	1	7	4	0	2	1	1	288	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7671675682067871

poisson

415	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
0	97	0	0	0	0	0	0	0	0	0	102	0	0	0	0	1	0	0	0	0	0	0	
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	
0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	102	0	0	
2	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
0	0	0	1	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	12	0
2	0	0	0	2	0	526	2	116	1	0	0	0	0	1	4	0	0	1	0	1	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	161	1	304	0	0	0	2	0	0	3	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
148	0	1	0	0	0	3	1	0	0	0	149	0	0	0	3	0	0	1	0	0	0	0	
6	1	0	1	4	0	8	4	30	0	1	1	159	0	12	20	0	27	8	1	1	0	7	
2	0	0	0	0	0	1	1	0	0	0	0	1	57	1	3	0	3	1	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
7	0	0	0	2	0	1	4	0	0	0	0	0	1	0	1	623	0	4	0	0	0	0	0
1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	4	1	92	1	0	0	181	0	0
4	0	0	0	11	0	0	1	0	0	0	0	0	0	0	0	0	184	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	101	0	1	0	2	
0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	72	0	0	0	
4	16	0	0	0	0	0	2	0	1	0	0	1	1	7	3	0	1	0	1	283	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7833365201950073

cosine_proximity

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	105	0	0	0	0	0	0	0	0	0	93	0	0	0	1	0	0	0	0	1	0	0	
0	0	60	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
0	0	0	12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	91	2	0	0	
2	0	0	0	211	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	13	0	
2	0	0	0	2	0	570	2	74	1	0	0	0	0	0	4	1	0	0	0	0	0	1	
1	0	0	0	1	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	211	3	251	0	0	0	3	0	1	1	0	0	0	0	1	0	1	
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	2	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
204	0	0	0	1	0	1	1	0	0	0	97	0	0	0	1	0	0	0	0	0	0	1	
8	1	0	0	2	0	6	9	18	0	2	1	173	0	3	17	0	28	5	1	1	5	11	
1	0	0	0	0	0	1	2	0	0	0	0	1	56	1	1	0	7	0	0	0	0	1	
0	0	0	0	1	0	0	3	0	0	0	0	0	0	103	0	2	2	0	0	0	0	0	
8	0	0	0	5	0	2	4	0	0	0	0	2	0	1	618	0	3	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	1	1	103	2	0	0	172	0	0	
6	0	0	0	15	0	2	2	0	1	0	0	0	0	0	0	0	174	0	0	0	0	1	
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	5	94	0	0	6	3	
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	0	0	0	
2	5	0	0	1	1	0	2	0	1	0	0	4	0	5	4	0	1	0	1	293	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7757276296615601

Adamax

mean_squared_error

416	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
0	136	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	28	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	75	1	0	0	0
3	0	0	0	207	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0
0	0	0	1	0	101	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	12	0	
2	0	0	0	2	0	598	0	49	1	0	0	0	0	0	4	1	0	0	0	0	0	0	
1	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	274	1	189	0	0	0	4	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
95	0	0	0	1	0	2	1	0	0	0	207	0	0	0	0	0	0	0	0	0	0	0	
11	1	0	3	7	0	8	13	17	0	2	2	163	0	7	16	0	27	8	1	1	2	2	
0	0	0	0	0	0	1	3	0	1	1	0	1	59	1	1	0	2	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	1	0	0	0	101	1	3	2	0	0	0	0	1	
8	0	0	0	5	0	4	5	0	0	0	0	0	0	1	619	0	0	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	0	0	3	0	122	0	1	0	153	0	0	
5	0	0	0	15	0	2	1	0	1	0	0	0	0	0	0	0	176	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	105	0	0	1	1	
0	0	0	15	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	56	3	0	0	
2	33	0	0	0	0	0	5	0	1	0	0	3	1	5	3	1	1	1	1	264	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0	
2	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	19	

0.79398894309997 56

mean_absolute_error

413	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
190	0	0	0	0	0	1	1	1	0	0	0	3	0	0	0	0	0	0	0	4	0	0	
6	0	0	0	0	0	0	35	0	6	0	0	0	0	0	17	0	0	0	0	0	0	0	
1	0	0	0	0	1	0	19	0	0	0	0	12	0	0	26	0	0	0	0	48	0	0	
36	0	0	0	0	0	2	65	0	17	0	0	8	0	0	83	0	0	0	0	3	0	0	
1	0	0	0	0	108	0	4	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0	
0	0	0	0	0	0	542	0	113	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
2	0	0	0	0	0	3	329	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	
1	0	0	0	0	0	174	3	292	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	2	0	95	0	0	0	0	0	1	0	0	0	0	0	0	0	
12	0	0	0	0	1	2	49	0	3	0	0	0	0	0	33	0	0	0	0	4	0	0	
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	1	10	33	24	2	0	0	170	0	0	27	1	0	0	0	6	0	0	
2	0	0	0	0	0	1	1	0	39	0	0	7	0	0	4	0	0	0	0	17	0	0	
3	0	0	0	0	0	2	6	1	4	0	0	1	0	0	7	53	0	0	0	34	0	0	
9	0	0	0	0	0	4	7	0	0	0	0	1	0	0	622	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	2	77	0	0	0	200	0	0	
21	0	0	0	0	0	2	92	1	28	0	0	0	0	0	55	0	0	0	0	2	0	0	
6	0	0	0	0	3	0	75	0	6	0	0	2	0	0	21	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	6	0	2	0	0	2	0	0	9	0	0	0	0	57	0	0	
3	0	0	0	0	0	0	9	0	3	0	0	3	0	0	3	0	0	0	0	302	0	0	
1	0	0	0	0	4	0	13	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	6	0	16	0	0	0	0	0	1	0	0	0	0	1	0	0	

0.5611565709114075

mean_absolute_percentage_error

413	0	0	0	0	0	2	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	
191	0	0	0	0	0	1	1	1	0	0	0	0	0	0	4	0	0	0	0	2	0	0	
12	0	0	0	0	0	0	1	0	1	2	0	0	0	12	35	0	0	1	0	0	0	0	
0	0	0	103	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	
81	0	0	2	0	0	2	5	0	7	18	0	5	0	28	63	0	0	3	0	0	0	0	
0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	
0	0	0	0	0	0	583	0	71	0	0	0	0	0	1	2	0	0	0	0	0	0	0	
4	0	0	0	0	0	3	327	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	230	1	235	0	0	0	5	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	2	0	93	0	0	0	0	0	1	0	0	1	0	0	0	0	
1	0	0	0	0	0	2	0	0	0	100	0	0	1	0	0	0	0	0	0	0	0	0	
300	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
28	0	0	7	0	0	11	6	23	2	8	0	162	0	9	20	0	0	13	0	2	0	0	
2	0	0	0	0	0	1	0	0	3	1	0	1	58	1	3	0	0	1	0	0	0	0	
1	0	0	0	0	0	2	0	0	0	0	0	0	0	107	1	0	0	0	0	0	0	0	
7	0	0	0	0	0	4	1	0	1	0	0	0	0	2	627	0	0	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	7	1	97	0	1	0	173	0	0	
59	0	0	1	0	0	2	5	1	13	31	0	0	0	10	38	0	0	41	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	3	0	1	0	0	2	0	0	105	0	0	0	0	
0	0	0	66	0	0	0	0	0	0	0	0	1	4	0	1	0	0	0	0	4	0	0	
11	0	0	1	0	0	0	2	0	2	4	0	6	3	11	2	0	0	1	0	280	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
2	0	0	0	0	0	0	2	0	16	1	0	0	0	1	2	0	0	2	0	0	0	0	

0.6452349424362183

mean_squared_logarithmic_error

414	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
0	162	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	
1	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	39	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	66	0	0	0	
2	0	0	0	209	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	1	0	98	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	12	0	
2	0	0	0	2	0	567	0	81	1	0	0	0	0	0	2	1	0	0	0	0	0	1	
1	0	0	0	1	0	1	332	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
2	0	0	0	0	0	215	1	250	0	0	0	2	0	0	1	0	1	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
112	0	0	0	1	0	3	1	0	0	0	187	0	0	0	1	0	0	1	0	0	0	0	
4	1	0	3	8	0	10	10	23	0	1	2	154	1	5	17	0	28	6	4	1	5	8	
0	0	0	0	0	0	1	1	0	2	1	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	1	0	0	0	107	0	0	2	0	0	0	0	0	
8	0	0	0	5	0	4	4	0	1	0	0	1	0	1	615	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	2	0	3	0	96	0	1	0	177	0	0	
5	0	0	0	11	0	3	1	0	1	0	0	0	0	0	0	0	179	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	3	101	0	0	2	1	
0	0	0	20	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	53	1	0	0	
2	16	0	0	0	0	0	4	0	1	0	0	2	5	5	2	1	3	0	1	277	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	22	

0.797793447971344

squared_hinge

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	
1	0	60	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	101	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0	
8	0	0	0	0	0	0	5	0	2	1	0	0	0	8	2	0	188	0	0	0	0	0	
0	0	0	1	0	103	0	0	0	0	0	0	1	0	0	0	0	2	10	0	0	0	0	
2	0	0	0	0	0	579	0	71	0	0	0	0	0	1	4	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	1	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
3	0	0	0	0	0	240	1	223	0	0	0	3	0	0	1	0	2	0	0	1	0	0	
1	0	0	0	0	0	0	1	0	95	0	0	0	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	2	1	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0	
123	0	0	0	0	0	3	1	0	0	0	179	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	2	0	0	9	10	14	0	3	3	157	0	5	19	0	38	6	0	3	0	0	
0	0	0	0	0	0	1	1	0	2	2	0	1	59	1	1	0	3	0	0	0	0	0	
1	0	0	0	0	0	1	1	0	0	0	0	0	0	107	0	1	0	0	0	0	0	0	
8	0	0	0	0	0	4	7	0	0	0	0	1	0	2	613	0	7	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	0	0	4	0	75	1	0	0	199	0	0	
5	0	0	0	0	0	3	1	0	2	0	0	0	0	1	0	0	188	1	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	103	0	0	0	0	
0	0	0	67	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	6	0	0	
3	0	0	1	0	0	0	3	0	2	0	2	2	2	7	2	0	4	1	0	294	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
2	0	0	0	0	0	0	2	0	16	0	0	0	0	0	2	0	2	2	0	0	0	0	

0.7203728556632996

hinge

416	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
195	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
10	0	0	3	0	0	0	1	0	0	6	0	0	0	0	42	0	0	2	0	0	0	0	
0	0	0	100	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	
48	0	0	7	0	0	1	13	0	0	50	0	3	0	0	88	0	0	3	0	1	0	0	
0	0	0	1	0	104	0	1	0	0	0	0	1	0	0	0	0	0	10	0	0	0	0	
1	0	0	0	0	0	650	0	0	0	0	0	2	0	0	3	1	0	0	0	0	0	0	
3	0	0	0	0	0	3	331	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
2	0	0	0	0	0	464	1	0	0	1	0	5	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	26	0	0	6	0	0	51	0	5	0	0	8	0	0	0	0	
2	0	0	0	0	0	2	3	0	0	89	0	0	1	0	6	0	0	1	0	0	0	0	
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
35	0	0	25	0	0	25	7	0	0	14	0	142	0	0	32	1	0	8	0	2	0	0	
2	0	0	1	0	0	1	1	0	0	4	0	0	59	0	3	0	0	0	0	0	0	0	
3	0	0	1	0	0	3	3	0	0	9	0	1	0	0	11	66	0	0	0	14	0	0	
8	0	0	0	0	0	4	3	0	0	1	0	0	0	0	627	0	0	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	3	0	0	0	0	2	94	0	1	0	180	0	0	
36	0	0	2	0	0	3	12	0	0	41	0	0	1	0	59	0	0	47	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	105	0	0	0	0	
0	0	0	66	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	6	0	0	
9	0	0	1	0	0	0	3	0	0	11	0	3	0	0	7	1	0	0	0	288	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	18	0	0	0	0	
4	0	0	1	0	0	0	5	0	0	3	0	0	0	0	8	0	0	5	0	0	0	0	

0.5716187953948975

categorical_hinge

414	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
0	157	0	0	0	0	0	0	0	0	0	42	1	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	17	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	87	1	0	0
2	0	0	0	208	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
0	0	0	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	14	0
1	0	0	0	0	0	591	0	59	0	0	0	1	0	0	4	0	0	1	0	0	0	0
2	0	0	0	1	0	3	329	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	0	0	230	1	236	0	0	0	4	0	0	0	0	1	0	0	1	0	0
1	0	0	0	1	0	0	0	0	94	0	0	0	0	0	1	0	1	0	0	0	0	0
0	0	0	0	1	0	2	0	0	0	100	0	0	1	0	0	0	0	0	0	0	0	0
92	0	1	0	1	0	4	1	0	0	0	202	0	0	0	3	0	1	1	0	0	0	0
4	1	0	3	2	0	13	5	12	0	3	2	172	0	4	19	0	35	4	5	3	4	0
0	0	0	0	0	0	1	0	0	2	1	0	1	58	1	0	0	6	0	1	0	0	0
0	0	0	0	2	0	2	0	0	0	1	0	0	0	104	0	0	2	0	0	0	0	0
8	0	0	0	4	0	4	4	0	0	0	0	2	0	0	615	0	5	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	1	0	1	1	76	2	0	0	198	0	0
5	0	0	0	8	0	3	1	0	1	0	0	0	0	0	0	0	182	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	6	96	0	0	7	0
0	0	0	13	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	60	0	0	0
2	7	0	0	1	0	0	2	0	1	0	0	2	0	6	1	0	6	0	1	294	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
3	0	0	0	1	0	0	2	0	6	0	0	0	0	0	3	0	9	2	0	0	0	0

0.7960814237594604

logcosh

413	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
0	166	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
0	0	0	28	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	74	2	0	0
2	0	0	0	201	0	1	0	0	1	0	0	0	0	2	1	0	5	0	0	0	1	0
0	0	0	1	0	98	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	15	0
2	0	0	0	2	0	488	1	157	1	0	0	1	0	1	4	0	0	0	0	0	0	0
1	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	1	0	118	2	343	1	0	0	4	0	0	1	0	0	1	0	1	0	0
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3
1	0	0	0	1	0	2	2	0	0	97	0	0	0	0	0	0	1	0	0	0	0	0
122	0	0	0	1	0	3	1	0	0	0	173	0	0	0	3	0	1	1	0	0	0	1
4	1	0	0	6	0	6	5	16	0	1	2	166	0	9	16	0	33	7	1	5	11	2
0	0	0	0	0	0	1	0	0	1	1	0	1	55	1	2	0	6	1	0	1	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0
8	0	0	0	4	0	3	4	0	0	0	0	1	0	1	617	0	4	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	4	3	76	0	0	0	197	0	0
5	0	0	0	3	0	1	1	0	0	0	0	0	0	0	0	0	190	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	101	0	0	4	1
0	0	0	17	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	53	4	0	0
2	3	0	0	0	1	0	2	0	1	0	0	1	0	10	1	0	2	1	1	298	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	20

0.7987445592880249

categorical_crossentropy

415	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	93	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
0	0	0	14	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	90	1	0	0
2	0	0	0	202	0	1	1	0	2	2	0	0	0	1	2	0	0	0	1	0	0	0
0	0	0	1	0	100	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	12	0
3	0	0	0	1	0	547	2	92	1	1	0	0	0	0	7	1	0	1	0	0	0	1
0	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
3	0	0	0	0	0	174	1	287	0	1	0	2	0	0	3	0	0	1	0	1	0	1
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	1	0	0	0	4
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	1	0	3	1	0	0	0	180	0	0	0	3	0	0	1	0	0	0	0
27	1	0	2	3	0	7	6	31	0	5	2	135	0	7	25	0	26	7	1	0	3	3
1	0	0	0	0	0	1	0	0	1	1	0	1	59	1	2	0	2	1	0	0	0	1
1	0	0	0	0	0	0	1	0	0	1	0	0	0	106	0	1	1	0	0	0	0	0
8	0	0	0	2	0	1	4	0	0	0	0	2	0	0	623	0	2	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	0	0	3	3	78	0	1	0	195	0	0
5	0	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	188	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	104	0	0	2	1
0	0	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	2	0	0
3	31	0	0	0	0	0	5	0	1	1	1	2	2	3	5	0	1	1	1	264	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	22

0.7780102491378784

kullback_leibler_divergence

413	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
0	123	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0
0	0	0	13	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	91	1	0	0
3	0	0	0	203	0	0	1	0	1	0	0	0	0	2	1	0	2	0	0	0	1	0
0	1	0	1	0	101	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	12	0
2	0	0	0	2	0	583	2	57	2	0	0	0	0	0	6	1	0	1	0	0	0	1
0	0	0	0	0	0	0	335	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
3	0	0	0	0	0	236	2	225	0	1	0	4	0	0	1	0	0	0	0	1	0	1
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	5
0	0	0	0	1	0	0	1	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0
117	0	0	0	1	0	3	1	0	0	0	180	0	0	0	3	0	0	1	0	0	0	0
19	1	2	0	4	0	7	12	21	0	2	1	156	0	5	16	0	29	4	1	0	7	4
1	0	0	0	0	0	1	2	0	1	1	0	1	58	1	1	0	3	0	0	0	0	1
0	0	0	0	1	0	0	1	0	0	1	0	0	0	106	0	0	2	0	0	0	0	0
8	0	0	0	2	0	1	5	0	0	0	0	2	0	1	619	0	4	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	2	0	4	0	110	1	0	0	163	0	0
5	0	0	0	8	0	0	1	0	2	0	0	0	0	0	0	0	184	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	96	0	0	6	2
0	0	0	11	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	60	2	0	0
3	26	0	0	0	0	0	4	0	0	0	0	4	6	5	3	0	3	0	1	265	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24

0.7842876315116882

poisson

414	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1
0	128	0	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
0	0	0	16	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	88	1	0	0
2	0	0	0	203	0	0	0	0	2	0	0	0	0	3	1	0	2	0	0	0	1	0
0	1	0	1	0	101	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	11	1
2	0	0	0	1	0	572	0	73	1	1	0	1	0	0	4	1	0	0	0	0	0	1
3	0	0	0	0	0	0	330	0	0	0	0	0	0	2	2	0	0	0	0	0	0	1
1	0	0	0	0	0	210	1	250	0	1	0	8	0	0	2	0	0	0	0	1	0	0
0	0	0	0	0	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	4
0	0	0	0	1	0	0	0	0	0	102	0	1	0	0	0	0	0	0	0	0	0	0
108	0	0	0	1	0	3	1	0	0	0	190	0	0	0	3	0	0	0	0	0	0	0
10	1	0	0	3	0	7	5	19	0	3	2	163	0	7	13	0	47	2	1	0	6	2
1	0	0	0	0	0	1	0	0	1	1	0	1	59	1	1	0	4	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	2	0	0	0	0	0
7	0	0	0	3	0	1	0	1	0	0	0	4	0	0	621	0	6	0	0	0	0	0
0	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
3	0	0	0	0	0	236	2	225	0	1	0	4	0	0	1	0	0	0	0	1	0	1
1	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	1	0	0	0	0	5
0	0	0	0	1	0	0	1	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0
117	0	0	0	1	0	3	1	0	0	0	180	0	0	0	3	0	0	1	0	0	0	0
19	1	2	0	4	0	7	12	21	0	2	1	156	0	5	16	0	29	4	1	0	7	4
1	0	0	0	0	0	1	2	0	1	1	0	1	58	1	1	0	3	0	0	0	0	1
0	0	0	0	1	0	0	1	0	0	1	0	0	0	106	0	0	2	0	0	0	0	0
8	0	0	0	2	0	1	5	0	0	0	0	2	0	1	619	0	4	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	2	0	4	0	110	1	0	0	163	0	0
5	0	0	0	8	0	0	1	0	2	0	0	0	0	0	0	0	184	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	96	0	0	6	2
0	0	0	11	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	60	2	0	0
3	26	0	0	0	0	0	4	0	0	0	0	4	6	5	3	0	3	0	1	265	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24

0.7899942994117737

cosine_proximity

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	145	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	1	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	0	0	0
3	0	0	0	204	0	0	0	0	1	0	0	0	0	3	1	0	2	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	14	0
2	0	0	0	2	0	482	0	164	1	0	0	0	0	1	5	0	0	0	0	0	0	0
2	0	0	0	1	0	2	330	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	0	0	102	1	363	0	0	0	3	0	0	1	0	1	0	0	1	0	1
2	0	0	0	1	0	0	0	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	2	1	0	0	0	134	0	0	0	0	0	1	1	0	0	0	1
8	1	0	0	3	0	6	8	17	0	8	1	156	1	8	17	0	39	6	2	1	5	4
1	0	0	0	0	0	1	0	0	1	2	0	1	58	1	1	0	4	0	0	0	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0
9	0	0	0	2	0	2	5	0	0	0	0	1	0	1	617	0	5	1	0	0	0	0
1	0	0	1	0	0	1	0	1	0	0	0	0	0	4	0	89	0	0	0	186	0	0
6	0	0	0	3	0	1	1	0	0	1	0	0	0	0	0	0	188	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	101	0	0	3	1
0	0	0	6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	67	1	0	0
2	11	0	0	0	0	0	2	0	1	0	0	1	1	8	3	0	2	0	1	288	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21

0.7899942994117737

Nadam

mean_squared_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	79	0	0	0	0	0	1	0	0	1	119	0	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	81	0	0	0	0
2	0	0	0	208	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
0	0	0	1	0	109	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	4	0	
5	0	0	0	2	0	565	3	72	2	0	0	0	0	1	3	0	0	1	0	1	0	2	
1	0	0	0	1	0	0	334	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	187	1	274	0	2	0	4	0	0	1	0	2	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	6	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
216	0	0	1	1	0	1	1	0	0	0	86	0	0	0	0	0	0	0	0	0	0	0	
13	1	0	3	3	0	7	3	23	0	6	1	144	0	10	17	0	33	12	0	1	1	13	
1	0	0	0	0	0	1	0	0	2	1	0	0	59	1	1	0	3	1	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
7	0	0	0	4	0	1	5	0	0	0	0	0	0	1	621	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	2	0	1	0	3	0	114	1	0	0	159	0	0	
5	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	191	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3	103	0	0	1	1	
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	67	0	0	0	
1	3	0	0	0	0	0	4	2	2	1	0	4	1	6	1	0	0	0	1	292	0	5	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	18	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7783907055854797

mean_absolute_error

413	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
183	0	0	0	0	0	1	1	0	0	1	0	1	0	0	8	0	0	0	0	5	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	5	0	49	0	0	1	6	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	106	0	0	0	
7	0	0	0	0	1	2	3	1	8	8	0	6	1	0	165	0	0	0	11	1	0	0	
0	0	0	0	0	105	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	
0	0	0	0	0	0	624	0	28	0	0	0	0	0	0	4	1	0	0	0	0	0	0	
1	0	0	0	0	0	3	331	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
1	0	0	0	0	0	321	1	144	0	0	0	6	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	0	1	0	95	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
299	0	0	0	0	0	4	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
5	0	0	0	0	0	16	2	12	1	3	0	198	1	0	31	1	0	16	3	2	0	0	
0	0	0	0	0	0	1	0	0	2	1	0	1	60	0	4	2	0	0	0	0	0	0	
1	0	0	0	0	0	2	1	1	0	2	0	1	0	0	12	76	0	0	2	13	0	0	
6	0	0	0	0	0	4	2	0	0	0	0	2	0	0	627	0	0	1	1	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	3	150	0	0	2	125	0	0	
8	0	0	0	0	0	3	2	0	11	6	0	0	3	0	127	0	0	10	30	1	0	0	
3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	106	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	74	0	0	0	
3	0	0	0	0	0	0	2	1	1	0	0	6	4	0	12	2	0	1	3	288	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	20	0	0	0	0	
2	0	0	0	0	0	0	2	0	17	0	0	0	0	0	4	0	0	1	0	0	0	0	

0.6307780146598816

mean_absolute_percentage_error

414	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
191	0	0	0	0	0	1	0	1	0	1	0	1	0	0	4	0	0	0	0	1	0	0	
1	0	0	1	0	0	0	1	0	0	0	0	0	0	24	31	0	4	2	0	0	0	0	
0	0	0	105	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
4	0	0	0	0	0	2	1	0	1	1	0	0	0	8	4	0	193	0	0	0	0	0	
0	0	0	1	0	110	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	
0	0	0	0	0	0	517	0	136	1	0	0	1	0	0	2	0	0	0	0	0	0	0	
2	0	0	0	0	0	3	329	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	
1	0	0	0	0	0	163	2	299	0	1	0	5	0	0	2	0	0	1	0	0	0	0	
0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	2	0	1	0	0	0	0	0	
1	0	0	0	0	0	2	1	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
302	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	2	0	0	17	3	18	0	1	0	171	0	12	17	0	29	8	0	1	0	0	
2	0	0	0	0	0	1	0	0	2	0	0	1	58	1	1	0	5	0	0	0	0	0	
0	0	0	0	0	0	2	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
9	0	0	0	0	0	3	4	0	0	0	0	0	0	2	621	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	0	1	0	0	0	1	0	5	2	89	1	0	0	181	0	0	
5	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	190	1	0	0	0	0	
3	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	8	99	0	0	0	0	
0	0	0	70	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0	0	
5	0	0	3	0	1	0	2	3	0	0	0	7	0	8	3	0	3	0	0	288	0	0	
0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	19	0	0	0	0	
2	0	0	0	0	0	0	2	0	14	0	0	0	0	0	1	0	6	1	0	0	0	0	

0.6830891966819763

mean_squared_logarithmic_error

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	89	0	0	1	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	
0	0	58	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	
0	0	0	7	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	98	0	0	0	
2	0	0	0	210	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	1	0	108	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	6	0	
4	0	0	0	3	0	527	3	112	1	0	0	0	0	0	5	1	0	0	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
2	0	0	0	0	0	151	1	312	0	0	0	6	0	0	1	0	0	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	84	0	0	0	0	0	1	0	1	0	0	0	0	10	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
150	0	0	0	1	0	1	0	0	0	0	154	0	0	0	0	0	0	0	0	0	0	0	
9	1	0	0	3	0	7	2	12	1	3	1	187	0	4	22	0	20	8	0	1	4	6	
1	0	0	0	1	0	1	1	0	1	0	0	1	58	0	3	0	3	0	0	0	0	1	
0	0	0	0	2	0	0	1	0	0	0	0	0	0	105	1	0	2	0	0	0	0	0	
8	0	0	0	6	0	1	4	0	1	0	0	2	0	1	617	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	4	132	0	0	0	143	0	0	
5	0	0	0	8	0	0	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	3	102	0	0	0	2	
0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	71	0	0	0	
2	6	0	0	1	0	0	3	1	1	0	0	9	4	6	5	0	2	1	1	277	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7953205108642578

squared_hinge

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	199	0	0	0	1	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	4	0	2	5	0	0	0	5	16	0	175	0	0	1	0	0	
0	0	0	1	0	108	0	0	0	0	0	0	2	0	0	0	0	1	5	0	0	0	0	
3	0	0	0	0	0	528	2	112	1	1	0	2	0	1	7	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	182	1	279	0	1	0	7	0	0	2	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	94	1	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	
108	0	0	0	0	0	1	1	0	0	0	196	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	3	0	0	5	4	7	0	3	2	210	0	7	21	0	17	4	0	0	0	0	
0	0	0	0	0	0	1	2	0	2	0	0	1	56	2	2	0	4	0	0	1	0	0	
0	0	0	0	0	0	0	2	0	0	1	0	0	0	105	2	0	1	0	0	0	0	0	
7	0	0	0	0	0	1	4	0	0	0	0	0	0	2	626	0	3	0	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	1	0	2	3	104	0	0	0	169	0	0	
5	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	191	1	0	0	0	0	
2	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	4	104	0	0	0	0	0	
0	0	0	74	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
1	0	0	1	0	0	0	5	1	2	1	0	13	0	7	7	0	1	0	0	284	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
2	0	0	0	0	0	0	2	0	15	0	0	0	0	0	4	0	2	1	0	0	0	0	

0.743960440158844

hinge

413	0	0	0	0	0	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
194	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	
1	0	0	0	0	0	0	1	0	0	4	0	0	0	0	58	0	0	0	0	0	0	0	
0	0	0	0	0	3	0	1	0	0	1	0	4	0	0	78	0	0	0	0	20	0	0	
17	0	0	0	0	0	2	14	1	11	39	0	3	0	0	126	0	0	0	0	1	0	0	
0	0	0	0	0	111	0	1	0	0	0	0	1	0	0	0	0	0	4	0	0	0	0	
0	0	0	0	0	0	568	0	85	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
1	0	0	0	0	0	3	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	194	1	273	0	1	0	3	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	96	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	12	8	16	2	15	0	177	0	0	38	1	0	9	0	5	0	0	
1	0	0	0	0	4	1	1	1	20	8	0	9	0	0	12	1	0	1	0	12	0	0	
1	0	0	0	0	0	3	5	0	1	8	0	1	0	0	14	35	0	0	0	43	0	0	
7	0	0	0	0	0	4	4	0	0	1	0	0	0	0	626	0	0	1	0	0	0	0	
0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	4	96	0	0	0	179	0	0	
13	0	0	0	0	0	3	11	0	13	49	0	0	0	0	100	0	0	12	0	0	0	0	
3	0	0	0	0	0	0	1	0	0	1	0	1	0	0	3	0	0	104	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	1	0	53	0	0	
3	0	0	0	0	1	0	4	1	2	1	0	3	0	0	6	0	0	0	0	302	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	19	0	0	0	0	
2	0	0	0	0	0	0	2	0	19	0	0	0	0	0	3	0	0	0	0	0	0	0	

0.6089023947715759

categorical_hinge

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	139	0	0	1	0	0	1	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	95	0	0	0
2	0	0	0	209	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	5	0	106	0	0	0	0	0	0	0	0	1	0	0	1	4	0	0	0	0
2	0	0	0	0	0	607	0	43	0	0	0	0	0	0	4	0	0	1	0	0	0	0
1	0	0	0	1	0	3	331	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
2	0	0	0	0	0	262	1	201	0	0	0	6	0	0	1	0	1	0	0	0	0	0
1	0	0	0	1	0	0	2	0	89	0	0	0	0	0	1	0	4	0	0	0	0	0
0	0	0	0	1	0	2	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	1	0	3	1	0	0	0	181	0	0	0	0	0	1	0	0	0	0	0
3	1	0	2	3	0	18	5	16	0	3	1	165	0	16	26	0	25	5	0	2	0	0
0	0	0	0	0	0	1	0	0	2	1	0	1	58	1	1	0	6	0	0	0	0	0
0	0	0	0	2	0	2	1	0	0	0	0	0	0	104	0	0	2	0	0	0	0	0
7	0	0	0	3	0	4	4	0	0	0	0	0	0	1	619	0	4	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	1	0	5	4	119	0	0	0	151	0	0
5	0	0	0	2	0	3	1	0	0	0	0	0	0	0	0	0	189	1	0	0	0	0
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	7	100	0	0	0	0
0	0	0	12	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	63	0	0	0
1	21	0	0	1	0	0	3	0	2	1	0	5	0	13	4	0	3	0	1	268	0	0
0	0	0	0	0	4	0	0	0	0	0	0	1	0	4	1	0	2	10	0	0	0	0
1	0	0	0	1	0	0	2	1	4	0	0	0	0	3	3	0	7	4	0	0	0	0

0.787140965461731

kullback_leibler_divergence

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	93	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	1	12	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	90	2	0
1	0	0	0	207	0	1	1	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0
0	0	0	1	0	104	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	8	0
1	0	0	0	0	0	575	2	70	1	0	0	0	0	1	5	0	0	1	0	0	0	1
0	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
1	0	0	0	0	0	236	1	229	1	0	0	3	0	0	2	0	0	1	0	0	0	0
0	0	0	0	0	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	5
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	3	1	0	0	0	204	0	0	0	4	0	0	0	0	0	0	0
8	1	0	0	2	0	7	11	31	0	4	3	165	0	6	20	0	17	10	0	1	1	4
0	0	0	0	0	0	1	2	0	1	1	0	0	58	0	4	0	3	0	0	0	0	1
0	0	0	0	1	0	0	2	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0
6	0	0	0	1	0	1	6	1	0	0	0	1	0	0	626	0	0	1	0	0	0	0
0	0	0	1	0	0	2	2	0	0	1	0	0	0	1	3	72	0	0	0	201	0	0
1	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	195	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	103	0	1	1	1
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	64	5	0	0
1	49	1	0	0	1	0	6	0	1	0	0	2	12	4	4	0	2	0	1	236	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	22

0.7789613604545593

logcosh

416	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	117	0	0	0	0	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	0	0	0
2	0	0	0	211	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	101	0	0	0	0	0	0	1	0	0	0	0	1	4	0	0	9	0
3	0	0	0	3	0	531	2	111	1	0	0	0	0	1	3	0	0	1	0	0	0	1
1	0	0	0	1	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	159	2	306	0	0	0	2	0	0	1	0	1	0	0	1	0	1
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	1	0	0	0	0	2
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	1	1	0	0	0	179	0	0	0	0	0	1	0	0	0	0	0
7	1	0	0	2	0	8	5	33	0	1	1	134	0	9	22	0	25	22	3	2	9	7
0	0	0	0	0	0	1	0	0	1	0	0	1	56	1	1	0	7	1	0	0	1	1
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0
10	0	0	0	3	0	1	4	0	1	1	0	0	0	1	615	0	6	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	0	3	0	78	0	2	1	196	0	0	
4	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	190	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	0	0	0
1	23	0	0	0	0	0	2	1	2	1	0	2	1	9	4	0	4	6	6	259	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	21

0.7846680879592896

poisson

411	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	119	0	0	0	0	0	0	0	0	0	80	0	0	0	1	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	81	0	0	0
0	0	0	0	213	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	1	0	104	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	8	0
2	0	0	0	3	0	546	3	93	1	0	0	0	0	1	5	0	1	1	0	0	0	1
0	0	0	0	0	0	0	337	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	178	1	285	0	0	0	4	0	0	3	0	2	0	0	0	0	0
0	0	0	0	1	0	0	1	0	88	0	0	0	0	0	1	0	2	0	0	0	0	5
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	1	0	2	1	0	0	0	195	0	0	0	3	0	0	0	0	0	0	1
5	1	0	1	4	0	6	4	25	0	2	1	168	0	4	17	0	34	10	1	1	1	6
0	0	0	0	0	0	1	2	0	0	0	0	1	55	1	1	0	9	0	0	0	0	1
0	0	0	0	2	0	0	2	0	0	0	0	0	0	105	0	0	2	0	0	0	0	0
7	0	0	0	4	0	1	4	0	1	0	0	1	0	1	610	0	12	0	0	0	0	2
0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	4	73	1	0	0	201	0	0
0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	194	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	102	0	1	0	1
0	0	0	10	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	64	0	0	0
1	44	0	0	0	0	0	7	1	2	0	0	1	2	4	3	0	4	0	3	247	0	4
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	19	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24

0.7888529300689697

categorical_crossentropy

415	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
0	142	0	0	1	0	0	0	0	0	0	56	0	0	0	1	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	95	0	0	0
0	0	0	0	211	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
0	0	0	1	0	104	0	0	0	0	0	0	1	0	0	0	0	1	3	0	1	6	0
1	0	0	0	3	0	512	3	127	1	0	0	1	0	1	5	0	0	1	0	0	0	2
1	0	0	0	0	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2	0	0	0	0	0	147	1	315	0	0	0	3	0	2	2	0	2	0	0	0	0	0
0	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	2
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	1	0	3	1	0	1	0	180	0	0	0	3	0	0	0	0	0	0	0
4	1	0	0	6	0	8	6	41	1	3	1	156	0	15	19	0	14	10	0	0	3	3
0	0	0	0	0	0	1	3	0	5	0	0	1	56	1	1	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	2	0	0	0	0	0
7	0	0	0	3	0	1	4	0	2	1	0	0	0	1	621	0	3	0	0	0	0	0
0	0	0	1	0	0	2	1	0	0	1	0	0	0	5	1	106	0	0	0	166	0	0
2	0	0	0	17	0	0	1	0	1	0	0	0	0	1	0	0	178	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4	100	0	1	1	2
0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	71	0	0	0
1	19	0	0	0	0	0	4	0	1	1	0	2	1	20	0	0	0	1	2	269	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24

0.7972227334976196

cosine_proximity

414	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
0	112	0	0	0	0	0	1	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0
0	0	59	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	8	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	96	0	0	0
2	0	0	0	210	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
0	0	0	1	0	105	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	7	0
2	0	0	0	3	0	509	3	126	1	1	0	1	0	1	8	0	1	0	0	0	0	1
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	142	2	317	0	1	0	4	0	0	4	0	0	0	0	0	0	2
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	1	0	2	1	0	0	0	161	0	0	0	1	0	0	0	0	0	0	0
3	1	0	0	2	0	5	8	7	0	2	2	161	0	7	49	0	15	3	1	1	7	17
0	0	0	0	0	0	1	2	0	1	1	0	1	58	1	2	0	3	0	0	0	0	1
0	0	0	0	2	0	0	2	0	0	0	0	0	0	104	1	0	2	0	0	0	0	0
7	0	0	0	4	0	1	3	0	0	0	0	0	0	1	624	0	2	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	0	0	2	4	112	0	0	0	161	0	0
5	0	0	0	11	0	0	1	0	2	0	0	0	0	0	0	0	181	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	3	100	0	0	0	3
0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	71	0	0	0
1	8	0	0	0	0	0	4	1	1	2	0	6	4	5	18	0	2	0	1	266	0	4
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23

0.7884725332260132

Kétrétegű, 16 szűrőt tartalmazó háló
RMSprop

mean_squared_error

415	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
0	138	0	0	0	0	0	0	0	0	0	60	1	0	0	1	0	0	0	0	0	0	0
0	0	60	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
0	0	0	13	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	90	2	0	0
2	0	0	1	203	0	1	0	0	0	0	0	0	0	2	1	0	4	0	0	0	0	0
0	0	1	5	0	97	0	0	0	0	0	0	4	0	0	0	0	1	3	1	0	5	0
2	0	0	0	1	0	537	0	109	0	0	0	3	0	0	4	1	0	0	0	0	0	0
2	0	0	0	1	0	3	327	1	1	1	0	0	0	2	0	0	0	0	0	0	0	0
2	0	0	0	0	0	162	1	302	0	0	0	4	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	0	0	0	0	0	8
1	0	0	0	1	0	2	0	0	0	97	0	0	1	0	0	0	2	0	0	0	0	0
136	0	0	0	1	0	3	1	0	0	0	165	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	10	0	9	5	25	1	8	1	151	1	11	16	0	17	4	6	0	9	3
0	0	0	0	0	0	1	0	0	2	1	0	0	59	1	1	0	4	0	0	0	0	2
0	0	0	0	2	0	0	0	0	0	1	0	0	0	103	0	2	2	0	0	0	0	1
9	0	0	0	5	0	4	5	0	1	1	0	1	0	1	612	0	2	1	0	0	1	0
0	0	0	1	0	0	2	0	0	0	2	0	1	0	2	0	146	0	0	0	129	0	0
5	0	0	0	20	0	3	1	0	4	0	0	0	0	0	0	0	167	0	0	0	0	1
2	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	3	93	0	0	9	1
0	0	0	5	0	0	0	0	0	0	1	0	0	5	0	0	0	1	0	62	2	0	0
1	10	0	0	1	0	0	4	0	2	3	1	16	9	9	4	0	0	0	1	259	0	3
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	18	0
2	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	21

0.7859995961189 27

mean_absolute_error

414	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
189	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3	0	0	0	0	5	0	0
22	0	0	0	0	0	0	23	0	0	0	0	3	0	0	13	0	0	0	0	3	0	0
2	0	0	0	0	1	0	4	0	0	0	0	33	0	0	6	0	0	0	0	61	0	0
60	0	0	0	0	1	1	99	0	0	0	0	2	0	0	50	0	0	0	0	1	0	0
1	0	0	0	0	107	0	3	0	0	0	0	2	0	0	1	0	0	0	0	3	0	0
1	0	0	0	0	0	523	0	132	0	0	0	0	0	0	0	1	0	0	0	0	0	0
5	0	0	0	0	0	2	328	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2	0	0	0	0	1	173	0	293	0	0	0	4	0	0	0	0	0	0	0	1	0	0
3	0	0	0	0	1	0	88	0	0	0	0	1	0	0	3	0	0	0	0	2	0	0
34	0	0	0	0	4	2	33	0	0	0	0	0	0	0	23	0	0	0	0	8	0	0
299	0	0	0	0	0	4	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
41	0	0	0	0	1	9	23	29	0	0	0	144	0	0	29	1	0	0	0	14	0	0
4	0	0	0	0	3	1	5	0	0	0	0	2	0	0	5	7	0	0	0	44	0	0
14	0	0	0	0	0	1	6	2	0	0	0	1	0	0	4	43	0	0	0	40	0	0
8	0	0	0	0	0	4	5	1	0	0	0	0	0	0	624	1	0	0	0	0	0	0
1	0	0	0	0	0	1	1	1	0	0	0	2	0	0	3	65	0	0	0	209	0	0
36	0	0	0	0	1	2	121	1	0	0	0	1	0	0	35	0	0	0	0	4	0	0
23	0	0	0	0	6	0	49	0	0	0	0	2	0	0	27	0	0	0	0	6	0	0
0	0	0	0	0	0	0	2	0	0	0	0	6	0	0	10	0	0	0	0	58	0	0
18	0	0	0	0	1	0	10	0	0	0	0	1	0	0	7	1	0	0	0	285	0	0
5	0	0	0	0	4	0	6	0	0	0	0	1	0	0	4	0	0	0	0	2	0	0
4	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

0.5293893814086914

mean_absolute_percentage_error

410	0	0	0	0	0	2	1	2	0	0	0	0	0	2	1	0	0	0	0	0	0	0
190	0	0	0	0	0	1	2	1	0	0	0	0	0	0	3	0	0	0	0	3	0	0
2	0	0	0	0	0	0	9	0	24	0	0	0	0	15	12	0	0	0	0	2	0	0
10	0	0	0	0	4	0	8	0	0	0	0	17	0	0	31	0	0	0	0	37	0	0
118	0	0	0	0	2	1	11	0	24	0	0	1	0	10	47	0	0	0	0	0	0	0
1	0	0	0	0	107	0	2	0	2	0	0	1	0	0	3	0	0	0	0	1	0	0
0	0	0	0	0	0	558	0	96	0	0	0	2	0	0	1	0	0	0	0	0	0	0
4	0	0	0	0	0	2	327	1	3	0	0	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	217	1	247	2	0	0	4	0	0	1	0	0	0	0	1	0	0
1	0	0	0	0	0	0	1	0	94	0	0	0	0	0	2	0	0	0	0	0	0	0
42	0	0	0	0	2	2	11	0	7	0	0	0	0	3	36	0	0	0	0	1	0	0
295	0	0	0	0	0	4	2	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0
36	0	0	0	0	4	11	12	24	9	0	0	153	0	6	31	0	0	0	0	5	0	0
0	0	0	0	0	5	1	2	0	44	0	0	3	0	1	3	0	0	0	0	12	0	0
2	0	0	0	0	0	2	1	1	0	0	0	0	0	105	0	0	0	0	0	0	0	0
8	0	0	0	0	0	4	2	1	1	0	0	0	0	0	627	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	1	0	0	0	1	0	9	0	0	0	0	0	270	0	0
84	0	0	0	0	1	2	28	1	38	0	0	1	0	2	44	0	0	0	0	0	0	0
19	0	0	0	0	11	0	41	0	12	0	0	1	0	0	25	0	0	0	0	4	0	0
0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	25	0	0	0	0	47	0	0
43	0	0	0	0	0	0	4	0	1	0	0	3	0	7	5	0	0	0	0	260	0	0
4	0	0	0	0	7	0	3	0	2	0	0	1	0	0	5	0	0	0	0	0	0	0
3	0	0	0	0	0	0	2	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0

0.5493627786636353

mean_squared_logarithmic_error

414	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1
0	107	0	0	0	0	0	0	0	0	0	90	2	0	0	0	0	0	0	0	1	0	0
0	0	57	1	0	0	0	1	0	0	1	0	0	0	2	1	0	0	0	0	0	0	1
0	0	0	21	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	81	2	0	0
2	0	0	1	201	0	1	2	0	1	1	0	0	0	1	1	0	3	0	0	0	0	0
0	0	0	9	0	100	0	0	0	0	0	0	2	0	0	0	0	1	1	1	0	3	0
2	0	0	0	1	0	524	2	119	0	0	0	1	0	0	5	1	0	0	0	0	0	2
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	1	0	144	1	315	0	1	0	6	0	0	1	0	1	0	0	0	0	1
1	0	0	0	1	0	0	1	0	78	0	0	0	0	0	1	0	2	1	0	0	0	13
1	0	0	0	1	0	1	0	0	0	99	0	1	0	0	0	0	1	0	0	0	0	0
123	0	0	0	1	0	2	1	0	0	0	177	0	0	0	1	0	0	0	0	0	0	1
12	1	2	1	2	0	8	9	21	0	8	2	130	1	4	17	0	47	4	4	2	3	13
0	0	0	0	0	0	1	0	0	1	0	0	0	60	0	1	0	5	0	0	0	0	3
0	0	1	0	1	0	0	1	0	0	1	0	0	0	104	0	0	2	0	0	0	0	1
9	0	0	0	2	0	3	5	1	0	0	0	0	0	0	620	0	1	1	0	0	0	1
0	0	0	1	0	0	2	0	0	0	1	0	0	0	1	2	80	1	0	0	194	0	1
5	0	0	0	10	0	2	1	1	0	0	0	0	0	0	0	0	181	0	0	0	1	0
3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	6	95	0	0	2	3
0	0	0	6	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	63	4	0	0
2	10	0	0	1	0	0	5	0	1	2	1	5	2	4	4	1	2	2	1	276	0	4
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	1	0	0	17	0
2	0	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	18

0.7747764587402344

squared_hinge

412	0	0	0	0	0	2	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0
0	114	0	0	0	0	0	0	1	0	0	83	0	0	0	0	0	0	0	0	2	0	0
0	0	60	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0
0	0	0	99	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	4	0	0
3	0	0	1	197	0	0	1	0	0	0	0	1	0	3	0	0	8	0	0	0	0	0
1	0	0	4	0	100	0	2	0	1	0	0	1	0	0	1	0	1	2	0	2	0	2
0	0	0	0	0	0	506	0	145	0	1	0	2	0	1	2	0	0	0	0	0	0	0
1	0	0	0	1	0	2	329	0	1	0	0	1	0	1	0	0	2	0	0	0	0	0
1	0	1	0	0	0	130	1	333	0	0	0	5	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	1	0	88	1	0	0	1	1	1	0	1	0	0	0	0	3
0	0	0	0	1	0	2	1	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	4	1	0	0	0	196	0	0	0	0	0	1	0	0	0	0	0
5	1	0	1	6	0	9	16	17	2	6	2	153	3	6	13	1	37	3	0	6	0	4
0	0	0	0	2	0	0	1	0	0	0	0	0	0	104	0	2	1	0	0	0	0	1
8	0	0	0	7	0	4	5	1	1	1	0	1	0	1	607	0	6	1	0	0	0	0
0	0	0	1	0	0	2	1	0	0	0	0	0	0	4	0	122	1	0	0	152	0	0
5	0	0	0	23	0	2	2	1	1	0	0	0	0	0	0	0	166	0	0	0	0	1
3	0	0	0	0	0	0	7	0	1	2	0	2	0	1	2	0	24	68	0	0	0	3
0	0	0	61	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	13	0	0
1	13	0	0	0	0	0	5	0	1	1	0	1	3	9	2	1	2	0	0	283	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	16	2	0	0	0	1
1	0	0	0	2	0	0	2	0	4	0	0	0	0	2	0	0	4	0	0	0	0	11

0.7814342975616455

hinge

409	0	0	0	0	0	2	0	3	0	0	0	2	0	0	1	0	0	0	0	1	0	0
172	0	0	0	0	0	0	0	2	0	0	0	13	0	0	3	0	0	0	0	10	0	0
20	0	0	0	0	0	0	0	0	0	0	0	20	0	0	21	0	0	0	0	3	0	0
3	0	0	0	0	4	0	0	0	0	0	0	48	0	0	6	0	0	0	0	46	0	0
155	0	0	0	0	0	1	0	2	0	0	0	13	0	0	27	0	0	0	0	16	0	0
3	0	0	0	0	101	0	0	1	0	0	0	5	0	0	1	0	0	0	0	6	0	0
0	0	0	0	0	0	514	0	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	0	0	0	0	0	2	0	2	0	0	0	6	0	0	45	0	0	0	0	49	0	0
3	0	0	0	0	0	155	0	303	0	0	0	13	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	5	0	0	0	0	0	0	1	0	0	5	0	0	0	0	3	0	0
53	0	0	0	0	1	2	0	0	0	0	0	8	0	0	23	0	0	0	0	17	0	0
290	0	0	0	0	0	4	0	2	0	0	0	6	0	0	4	0	0	0	0	0	0	0
35	0	0	0	0	0	7	0	31	0	0	0	190	0	0	21	0	0	0	0	7	0	0
7	0	0	0	0	2	1	0	0	0	0	0	20	0	0	5	0	0	0	0	36	0	0
24	0	0	0	0	0	1	0	2	0	0	0	1	0	0	3	0	0	0	0	80	0	0
8	0	0	0	0	0	0	4	0	0	0	0	4	0	0	626	0	0	0	0	1	0	0
1	0	0	0	0	0	1	0	1	0	0	0	3	0	0	4	0	0	0	0	273	0	0
145	0	0	0	0	0	2	0	1	0	0	0	10	0	0	32	0	0	0	0	11	0	0
74	0	0	0	0	3	0	0	1	0	0	0	2	0	0	21	0	0	0	0	12	0	0
0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	7	0	0	0	0	65	0	0
11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	3	0	0	0	0	298	0	0
11	0	0	0	0	3	0	0	0	0	0	0	2	0	0	4	0	0	0	0	2	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0

0.46433326601982117

categorical_hinge

411	0	0	0	1	0	2	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0
0	111	0	0	0	0	0	0	1	0	0	86	0	0	0	0	0	0	0	0	2	0	0	
0	0	60	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
1	0	0	46	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	52	3	0	0	
2	0	0	0	203	0	3	0	0	1	0	0	1	0	0	1	0	3	0	0	0	0	0	
0	0	1	2	0	101	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	10	0	
0	0	0	0	0	0	594	0	58	0	0	0	0	0	0	4	1	0	0	0	0	0	0	
3	0	0	0	0	0	3	323	0	2	1	0	0	0	2	0	0	4	0	0	0	0	0	
2	0	0	0	0	0	284	1	180	0	1	0	2	0	0	1	0	2	0	0	1	0	0	
2	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	2	0	2	1	0	1	92	0	0	0	0	3	0	1	0	0	0	0	0	
132	0	0	0	0	0	4	1	0	0	0	165	0	0	0	3	0	1	0	0	0	0	0	
7	1	3	1	14	0	10	3	41	2	6	2	110	0	6	25	1	35	3	4	2	15	0	
1	0	0	0	0	0	1	0	0	3	2	0	0	57	1	3	0	3	0	0	0	0	0	
0	0	0	0	3	0	3	0	0	0	1	0	0	0	100	0	3	1	0	0	0	0	0	
7	0	1	0	4	0	4	1	0	0	0	0	0	0	0	624	1	1	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	2	0	1	0	2	1	163	1	0	0	110	0	0	
5	0	0	0	52	0	3	1	0	3	1	0	0	0	1	0	0	134	1	0	0	0	0	
2	0	0	1	0	0	0	0	0	1	1	0	0	0	0	3	0	9	88	0	0	8	0	
0	0	1	14	1	0	0	0	0	0	0	0	0	2	0	3	0	0	0	40	14	1	0	
3	14	0	0	0	0	0	2	0	1	4	0	3	3	8	4	0	5	0	0	276	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	1	2	0	0	16	0	
2	0	0	0	2	0	0	1	0	12	1	0	0	0	0	1	0	4	1	0	0	2	0	

0.7584173679351807

logcosh

412	0	0	0	1	0	1	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0
0	105	0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	0	0	0	0	
0	0	59	0	0	0	0	2	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	31	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	71	1	0	0	
2	0	0	1	203	0	0	1	0	0	0	0	0	0	4	1	0	1	0	0	0	0	1	
0	0	0	7	0	99	0	1	0	0	0	0	0	0	0	1	0	1	5	0	1	2	0	
1	0	0	0	1	0	518	0	130	0	1	0	3	0	1	2	0	0	0	0	0	0	0	
6	0	0	0	3	0	3	303	0	2	1	0	0	0	3	11	0	0	3	0	0	0	3	
2	0	0	0	1	0	157	1	305	0	0	0	4	0	0	1	0	1	0	1	0	0	1	
1	0	0	0	2	0	0	0	0	87	0	0	0	0	0	1	0	2	0	0	0	0	5	
2	0	0	0	1	0	2	1	0	0	95	0	0	0	0	2	0	1	0	0	0	0	0	
106	0	0	0	1	0	4	0	0	0	0	195	0	0	0	0	0	0	0	0	0	0	0	
12	1	2	0	42	0	15	3	23	0	2	2	114	0	7	20	1	20	5	9	2	4	7	
0	0	0	0	0	0	1	2	0	2	0	0	2	56	1	1	0	5	0	0	1	0	0	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	106	0	1	1	0	0	0	0	0	
10	0	0	0	5	0	4	6	0	0	0	0	1	0	1	614	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	6	2	146	1	1	0	124	0	0	
5	0	0	0	32	0	3	0	0	0	0	0	0	0	0	0	0	160	1	0	0	0	0	
3	0	0	0	0	1	0	2	0	1	1	0	1	0	0	1	0	6	93	0	0	3	1	
0	0	0	11	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	62	1	0	0	
2	9	0	0	3	0	0	3	0	1	2	0	9	4	10	4	0	3	1	2	270	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	1	1	0	0	16	0	
2	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	20	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.7740156054496765

categorical_crossentropy

414	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	
0	121	0	0	0	0	0	1	0	0	0	75	1	0	0	1	0	0	0	0	1	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	70	2	0	0	
2	0	0	0	206	0	0	0	0	0	1	0	0	0	0	1	0	3	0	1	0	0	0	
0	0	0	7	0	99	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	7	0	
0	0	0	0	4	0	579	2	61	1	0	0	1	0	0	7	1	0	0	0	0	0	1	
2	0	0	0	1	0	0	331	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	
1	0	0	0	1	0	246	1	218	0	1	0	3	0	0	1	0	1	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	1	0	0	0	0	5	
1	0	0	0	1	0	0	1	0	0	99	0	0	1	0	0	0	1	0	0	0	0	0	
128	0	0	0	1	0	3	1	0	0	0	168	0	0	0	4	0	0	1	0	0	0	0	
3	1	1	2	4	0	10	9	33	0	5	2	136	0	8	22	0	39	5	3	0	5	3	
0	0	0	0	0	0	1	0	0	4	1	0	1	57	1	1	0	5	0	0	0	0	0	
0	0	0	0	3	0	0	0	0	0	1	0	0	0	104	1	1	1	0	0	0	0	0	
9	0	0	0	2	0	3	4	1	2	0	0	0	0	1	616	0	4	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	1	0	3	1	142	1	0	0	131	0	0	
5	0	0	0	15	0	1	1	0	1	0	0	0	0	0	0	0	177	0	0	0	1	0	
2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	5	98	0	0	3	1	
0	0	0	18	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	53	2	0	0	
1	26	0	0	1	0	0	4	0	1	1	2	2	2	11	4	0	1	3	1	263	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	18	0	
0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	1	0	2	0	0	0	0	20	

0.7806733846664429

kullback_leibler_divergence

412	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	2	
0	131	0	0	0	0	0	1	1	0	0	65	1	0	0	1	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
0	0	0	25	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	76	3	0	
2	0	0	0	192	0	0	1	0	2	0	0	0	0	0	6	1	0	9	0	0	0	1	
0	1	0	3	0	98	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	12	0	
0	0	0	0	1	0	581	5	62	1	0	0	0	0	0	4	1	1	0	0	0	0	1	
2	0	0	0	1	0	0	329	0	3	0	0	0	0	1	0	0	0	0	0	0	0	2	
1	0	0	0	0	0	263	5	197	0	1	0	4	0	0	1	0	1	0	0	0	0	1	
0	0	0	0	1	0	0	2	0	91	0	0	0	0	0	1	0	0	0	0	0	0	3	
1	0	0	0	1	0	1	3	0	0	95	0	0	1	0	0	0	2	0	0	0	0	0	
120	0	0	0	1	0	3	2	0	0	0	174	0	0	0	5	0	1	0	0	0	0	0	
7	1	1	0	7	0	10	8	35	0	3	1	145	0	8	19	0	22	4	5	2	8	5	
0	0	0	0	0	0	1	1	0	4	1	0	2	55	0	1	0	4	1	0	0	0	1	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	106	0	0	1	0	0	1	0	0	
8	0	0	0	3	0	2	5	0	0	0	0	0	0	1	622	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	1	0	3	0	102	0	1	0	172	0	0	
5	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	182	0	0	0	0	1	
2	0	0	0	0	0	0	1	1	1	1	0	1	0	0	1	0	5	94	0	0	4	2	
0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	64	6	0	1	
1	9	1	0	0	0	0	3	0	3	2	1	4	3	9	1	0	1	0	1	283	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	20	0	
0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	23	

0.7768689393997192

poisson

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	67	0	0	0	0	0	0	0	0	0	0	131	0	0	1	1	0	0	0	0	0	0	
0	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	
0	0	1	61	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	42	1	0	0	
4	0	0	0	200	0	0	0	0	1	1	0	0	0	5	1	0	2	0	0	0	0	0	
0	0	0	4	1	99	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	9	1	
2	0	0	0	3	0	541	4	93	1	0	0	0	0	0	9	1	0	1	0	1	0	1	
3	0	0	0	1	0	0	330	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	
3	0	0	0	1	0	175	1	283	0	3	0	4	0	0	3	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	89	0	0	0	0	0	1	0	0	0	0	0	0	8	
2	0	0	0	1	1	0	0	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0	
198	0	0	0	1	0	2	1	0	0	0	103	0	0	0	1	0	0	0	0	0	0	0	
14	1	1	0	16	0	8	9	37	0	6	1	119	0	7	20	0	27	5	3	0	5	12	
1	0	0	0	0	0	1	0	0	2	2	0	0	59	2	2	0	2	0	0	0	0	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	1	0	0	0	0	0	
11	0	0	0	0	4	0	2	4	0	0	0	0	0	0	0	619	1	1	1	0	0	0	0
0	0	0	1	0	0	1	1	1	0	0	0	0	0	6	2	121	0	0	0	150	0	0	
5	0	0	0	22	0	0	1	0	1	0	0	0	0	0	0	0	171	0	0	0	0	1	
3	0	0	0	0	0	0	3	0	1	1	0	1	0	1	1	0	5	93	0	0	3	1	
0	0	0	30	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	41	2	0	0	
4	11	0	0	0	0	0	3	0	0	4	1	2	4	10	5	1	2	3	1	270	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	18	0	
0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	22	

0.7586075663566589

cosine_proximity

413	0	0	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	
0	129	0	0	0	0	0	0	0	0	0	68	2	0	0	1	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
0	0	0	51	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	51	2	0	0	
2	0	0	1	196	0	1	0	0	2	1	0	0	0	5	1	0	5	0	0	0	0	0	
0	0	0	8	0	100	0	0	0	0	0	0	1	0	1	0	0	0	3	0	0	4	0	
1	0	0	0	0	0	589	0	61	0	0	0	0	0	0	4	1	0	0	0	1	0	0	
2	0	0	0	1	0	2	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	252	2	211	0	0	0	4	0	0	0	0	0	1	0	1	0	0	
0	0	0	0	1	0	0	1	0	84	1	0	0	1	0	1	0	0	0	0	0	1	8	
1	0	0	0	1	1	2	1	0	0	97	0	0	0	0	0	0	1	0	0	0	0	0	
112	0	1	0	1	0	4	1	0	0	0	186	0	0	0	1	0	0	0	0	0	0	0	
13	1	3	3	3	0	9	11	26	1	6	2	140	1	6	21	1	26	4	4	3	4	3	
0	0	0	0	0	0	1	1	0	2	1	0	1	57	1	1	0	4	0	0	0	0	2	
0	0	0	0	1	0	1	1	1	0	1	0	0	0	100	0	4	2	0	0	0	0	0	
9	0	0	0	2	0	4	3	0	0	0	0	1	0	0	622	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	1	0	0	0	3	0	169	2	0	0	104	0	0	
6	0	0	0	10	0	3	1	0	0	0	0	0	0	0	0	0	180	0	0	0	1	0	
2	0	0	1	0	1	0	1	0	0	1	0	1	0	0	1	0	3	102	0	0	0	0	
0	0	0	29	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	42	3	0	0	
1	6	0	0	0	0	0	5	0	0	4	1	4	1	7	5	4	2	0	1	281	0	1	
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	20	0	
2	0	0	0	1	0	0	2	0	1	0	0	0	1	0	0	0	1	0	0	0	0	18	

0.7957009673118591

SGD

mean_squared_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	465	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	642	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124405555427074 43

mean_absolute_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124976225197315 22

mean_absolute_percentage_error

0	0	0	0	0	0	0	0	0	0	0	85	0	0	0	333	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	159	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	88	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	176	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	112	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	506	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	89	0	0	0	249	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	73	0	0	0	401	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	88	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	75	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	65	0	0	0	241	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	68	0	0	0	223	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	56	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	95	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	191	0	0	0	452	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	235	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	150	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	91	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	67	0	0	0	256	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	19	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	20	0	0	0	0	0	0	0

0.0983450636267662

mean_squared_logarithmic_error

0	0	0	0	0	0	303	2	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	130	2	0	0	0	0	0	0	0	68	0	0	0	0	0	0	0
0	0	0	0	0	0	29	1	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0
0	0	0	0	0	0	46	10	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0
0	0	0	0	0	0	148	0	0	0	0	0	0	0	0	66	0	0	0	0	0	0	0
0	0	0	0	0	0	67	27	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0
0	0	0	0	0	0	301	11	0	0	0	0	0	0	0	345	0	0	0	0	0	0	0
0	0	0	0	0	0	231	1	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0
0	0	0	0	0	0	160	15	0	0	0	0	0	0	0	299	0	0	0	0	0	0	0
0	0	0	0	0	0	43	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0
0	0	0	0	0	0	75	1	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0
0	0	0	0	0	0	213	8	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0
0	0	0	0	0	0	164	10	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0
0	0	0	0	0	0	34	7	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	341	7	0	0	0	0	0	0	0	295	0	0	0	0	0	0	0
0	0	0	0	0	0	118	20	0	0	0	0	0	0	0	145	0	0	0	0	0	0	0
0	0	0	0	0	0	146	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0
0	0	0	0	0	0	35	3	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0
0	0	0	0	0	0	143	15	0	0	0	0	0	0	0	165	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0

0.11356286704540253

squared_hinge

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124976225197315 22

hinge

0	0	0	0	0	0	197	0	0	0	0	0	0	0	0	221	0	0	0	0	0	0	0
0	0	0	0	0	0	95	0	0	0	0	1	0	0	0	104	0	0	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0
0	0	0	0	0	0	37	0	0	0	0	1	0	0	0	69	0	0	0	0	0	0	0
0	0	0	0	0	0	105	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	0
0	0	0	0	0	0	87	0	0	0	0	1	0	0	0	29	0	0	0	0	0	0	0
0	0	0	0	0	0	194	0	0	0	0	2	0	0	0	461	0	0	0	0	0	0	0
0	0	0	0	0	0	134	0	0	0	0	0	0	0	0	204	0	0	0	0	0	0	0
0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	374	0	0	0	0	0	0	0
0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0
0	0	0	0	0	0	160	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0
0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	185	0	0	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	3	0	0	0	91	0	0	0	0	0	0	0
0	0	0	0	0	0	217	0	0	0	0	4	0	0	0	422	0	0	0	0	0	0	0
0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	182	0	0	0	0	0	0	0
0	0	0	0	0	0	91	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	2	0	0	0	90	0	0	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	2	0	0	0	217	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0

0.11717709898948 67

categorical_hinge

217	19	0	5	18	1	2	4	22	11	1	19	1	0	10	32	9	12	10	12	13	0	0	0
63	6	0	3	8	0	31	10	11	3	3	3	6	2	3	17	12	7	3	3	5	0	1	0
2	3	1	3	1	1	1	8	17	0	0	2	4	1	3	5	4	4	3	0	1	0	0	0
0	16	2	0	4	2	3	11	12	0	2	3	1	0	4	17	17	2	3	0	6	0	1	1
102	1	0	4	46	2	0	6	11	8	0	4	0	9	3	2	8	3	2	0	3	0	0	0
2	14	6	0	4	2	11	0	26	14	0	3	0	1	0	14	4	0	0	0	0	0	15	1
45	10	2	13	14	29	119	21	125	5	4	19	5	7	17	136	17	15	6	17	22	0	9	0
73	29	0	4	23	3	3	16	14	3	10	31	6	2	4	39	24	7	10	21	16	0	0	0
12	18	3	5	17	23	90	19	88	7	0	12	9	5	24	81	11	10	4	13	16	1	4	2
28	4	0	1	0	7	0	8	3	5	1	17	1	0	1	15	3	2	1	0	1	0	0	0
28	2	0	0	5	1	2	2	5	0	4	9	0	2	0	30	2	1	3	4	4	0	0	0
66	14	2	2	22	1	23	11	23	3	6	20	6	5	13	21	17	27	1	5	18	0	0	0
29	8	2	14	14	6	37	12	27	10	2	16	1	5	2	45	33	11	3	5	9	0	0	0
8	2	0	4	1	2	7	5	5	0	3	12	3	0	0	14	1	2	0	0	2	0	0	0
19	1	0	2	19	13	1	3	4	3	4	1	4	3	10	0	12	0	8	4	0	0	0	0
94	33	0	5	21	25	39	47	35	8	25	28	51	2	18	93	45	6	39	3	25	0	1	0
1	5	17	7	2	4	47	72	16	0	2	1	19	0	1	37	32	3	0	0	5	9	3	0
96	1	0	4	30	1	1	1	14	4	1	9	3	2	0	14	3	0	3	3	11	0	0	0
17	10	3	3	3	2	2	0	10	3	2	6	10	0	0	17	8	1	9	2	5	0	0	0
1	8	1	1	0	2	3	20	1	0	0	0	4	0	0	4	24	0	1	0	5	1	0	0
36	6	4	6	20	4	71	21	21	4	4	6	60	14	6	10	7	3	11	1	8	0	0	0
2	0	0	0	0	2	2	0	1	1	0	0	2	0	1	3	7	1	0	0	0	0	0	0
5	1	0	1	2	1	0	1	0	1	1	3	0	1	1	5	2	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.12878067791461945

logcosh

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	101	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	116	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	656	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	469	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	304	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	274	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	315	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.12478599697351456

categorical_crossentropy

395	1	0	0	2	0	1	2	0	1	0	9	0	0	2	3	0	2	0	0	0	0	0	0
69	42	0	0	0	0	1	0	1	1	0	80	0	0	0	2	0	1	1	0	1	0	1	
0	0	7	4	1	0	0	32	2	2	5	0	0	0	0	5	2	3	0	0	0	1	0	
2	1	2	46	1	2	0	2	0	0	3	0	26	0	0	8	1	0	0	1	11	0	1	
4	0	0	0	186	0	0	2	0	1	1	0	0	0	2	1	0	16	0	0	1	0	0	
0	0	1	2	0	93	0	6	0	0	0	1	0	0	0	1	0	10	0	3	0	0		
0	0	0	0	4	0	536	0	107	0	0	1	5	0	1	3	0	0	0	0	0	0		
5	0	0	0	1	0	3	295	0	5	4	0	0	0	2	16	0	6	1	0	0	0		
0	0	1	0	2	0	252	3	185	0	1	2	26	0	0	1	0	0	0	0	1	0		
0	0	0	0	2	0	0	21	0	67	0	0	0	2	0	1	0	4	0	0	0	0	1	
5	0	0	0	2	1	2	23	0	1	46	0	0	0	0	5	1	15	1	0	0	0	2	
147	32	0	0	0	0	3	1	0	0	1	117	0	0	0	2	0	1	1	0	1	0	0	
17	1	6	10	25	0	13	14	40	1	16	2	79	2	3	29	0	22	7	1	2	1	0	
2	0	2	7	0	1	1	7	0	8	1	0	3	24	0	6	0	5	2	0	1	0	1	
1	2	0	0	2	0	1	8	0	0	1	0	0	0	92	0	2	1	0	0	1	0	0	
11	0	0	0	2	0	4	7	2	1	1	0	1	0	0	602	1	9	1	1	0	0	0	
1	0	0	1	0	1	1	4	1	0	1	0	4	4	1	0	151	0	0	0	113	0	0	
8	0	0	0	56	0	1	2	1	1	0	0	0	0	0	0	0	130	2	0	0	0	0	
3	0	0	0	0	0	0	7	0	3	3	0	0	0	0	2	0	20	72	0	0	2	1	
0	1	18	26	0	0	0	0	0	1	0	0	14	5	0	3	2	0	2	0	4	0	0	
26	17	0	3	1	0	0	8	0	2	8	1	1	1	14	10	4	2	2	0	223	0	0	
1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6	8	0	0	1	0	
3	0	0	0	1	0	0	5	0	9	0	0	0	1	0	1	0	4	1	0	0	0	1	

0.6448544859886169

kullback_leibler_divergence

383	1	0	0	1	0	4	1	0	1	0	19	0	0	3	2	0	2	0	0	1	0	0	
7	58	0	0	0	0	2	0	0	0	0	125	0	0	0	1	0	1	0	0	6	0	0	
0	0	10	2	1	0	0	19	3	0	3	0	11	1	0	4	3	4	0	0	3	0	0	
0	1	1	19	1	0	0	0	6	0	1	0	69	0	0	1	0	0	0	3	5	0	0	
5	0	0	0	193	0	0	2	0	0	0	0	1	0	0	2	0	10	0	0	1	0	0	
0	0	0	1	0	94	0	2	0	0	0	0	1	1	0	0	1	0	11	0	6	0	0	
0	0	0	0	5	0	543	0	101	0	0	0	6	0	1	1	0	0	0	0	0	0	0	
29	0	0	0	1	0	3	247	1	1	8	0	0	0	5	17	0	16	9	0	0	0	1	
1	0	0	2	3	0	245	2	198	0	0	1	21	0	0	0	0	0	0	0	1	0	0	
2	0	0	0	2	0	0	17	0	68	0	0	1	0	0	1	0	4	1	0	0	0	2	
10	0	0	0	3	0	2	31	0	1	28	1	0	0	0	6	0	14	3	0	3	0	2	
52	55	0	0	0	0	5	1	0	0	0	181	1	0	1	2	0	1	1	0	6	0	0	
9	0	6	8	27	0	14	15	47	0	9	3	104	1	1	19	0	24	0	0	3	1	0	
1	0	1	0	0	3	1	5	0	0	1	0	13	32	0	4	1	4	2	0	2	0	1	
3	3	0	0	3	0	0	7	2	0	1	2	0	0	83	0	1	0	0	0	6	0	0	
12	2	0	0	6	1	4	9	2	8	3	2	6	0	0	566	1	19	2	0	0	0	0	
0	2	1	1	0	1	1	2	1	0	1	0	6	2	1	1	65	0	0	0	198	0	0	
10	0	0	0	78	0	0	4	1	2	0	0	0	0	0	0	0	106	0	0	0	0	0	
4	0	0	0	0	1	0	11	0	1	2	0	1	0	0	2	0	13	73	1	0	3	1	
0	0	5	10	0	0	0	0	2	0	0	0	51	0	0	2	0	0	0	0	6	0	0	
16	31	0	0	1	0	0	9	0	0	2	18	2	0	10	4	0	2	0	0	227	0	1	
1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	7	11	0	0	2	0	
3	0	0	0	1	0	0	7	0	8	0	0	0	0	0	0	0	2	0	0	0	0	5	

0.6248810887336731

poisson

0	0	0	0	0	0	134	0	14	0	0	0	0	0	0	270	0	0	0	0	0	0	0	
0	0	0	0	0	0	101	0	16	0	0	0	2	0	0	81	0	0	0	0	0	0	0	
0	0	0	0	0	0	38	0	11	0	0	0	0	0	0	15	0	0	0	0	0	0	0	
0	0	0	0	0	0	92	0	5	0	0	0	1	0	0	9	0	0	0	0	0	0	0	
0	0	0	0	0	0	71	0	2	0	0	0	0	0	0	141	0	0	0	0	0	0	0	
0	0	0	0	0	0	104	0	7	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
0	0	0	0	0	0	460	0	56	0	0	0	0	0	0	141	0	0	0	0	0	0	0	
0	0	0	0	0	0	149	0	3	0	0	0	0	0	0	186	0	0	0	0	0	0	0	
0	0	0	0	0	0	309	0	74	0	0	0	1	0	0	90	0	0	0	0	0	0	0	
0	0	0	0	0	0	44	0	6	0	0	0	0	0	0	48	0	0	0	0	0	0	0	
0	0	0	0	0	0	44	0	1	0	0	0	0	0	0	59	0	0	0	0	0	0	0	
0	0	0	0	0	0	138	0	19	0	0	0	1	0	0	148	0	0	0	0	0	0	0	
0	0	0	0	0	0	178	0	20	0	0	0	0	0	0	93	0	0	0	0	0	0	0	
0	0	0	0	0	0	45	0	8	0	0	0	1	0	0	17	0	0	0	0	0	0	0	
0	0	0	0	0	0	57	0	9	0	0	0	0	0	0	45	0	0	0	0	0	0	0	
0	0	0	0	0	0	430	0	36	0	0	0	0	0	0	177	0	0	0	0	0	0	0	
0	0	0	0	0	0	192	0	29	0	0	0	5	0	0	57	0	0	0	0	0	0	0	
0	0	0	0	0	0	84	0	2	0	0	0	0	0	0	115	0	0	0	0	0	0	0	
0	0	0	0	0	0	59	0	15	0	0	0	0	0	0	39	0	0	0	0	0	0	0	
0	0	0	0	0	0	34	0	17	0	0	0	2	0	0	23	0	0	0	0	0	0	0	
0	0	0	0	0	0	190	0	62	0	0	0	2	0	0	69	0	0	0	0	0	0	0	
0	0	0	0	0	0	15	0	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	0	0	0	8	0	2	0	0	0	0	0	0	16	0	0	0	0	0	0	0	

0.13524824380874634

cosine_proximity

184	0	0	0	0	0	7	0	4	0	0	0	2	0	0	221	0	0	0	0	0	0	0	
28	0	0	0	0	0	12	0	1	0	0	0	2	0	0	157	0	0	0	0	0	0	0	
5	0	0	0	0	0	21	0	11	0	0	0	1	0	0	26	0	0	0	0	0	0	0	
2	0	0	0	0	13	46	0	12	0	0	0	2	0	0	32	0	0	0	0	0	0	0	
77	0	0	0	0	0	110	0	2	0	0	0	0	0	0	25	0	0	0	0	0	0	0	
2	0	0	0	0	70	13	0	14	0	0	0	3	0	0	15	0	0	0	0	0	0	0	
46	0	0	0	0	10	368	0	125	0	0	0	0	0	0	108	0	0	0	0	0	0	0	
93	0	0	0	0	0	44	0	6	0	0	0	0	0	0	195	0	0	0	0	0	0	0	
13	0	0	0	0	15	257	0	128	0	0	0	5	0	0	56	0	0	0	0	0	0	0	
38	0	0	0	0	0	1	0	16	0	0	0	1	0	0	42	0	0	0	0	0	0	0	
33	0	0	0	0	0	12	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	
101	0	0	0	0	2	15	0	3	0	0	0	3	0	0	182	0	0	0	0	0	0	0	
36	0	0	0	0	8	154	0	26	0	0	0	1	0	0	66	0	0	0	0	0	0	0	
7	0	0	0	0	1	5	0	3	0	0	0	4	0	0	51	0	0	0	0	0	0	0	
16	0	0	0	0	0	41	0	10	0	0	0	2	0	0	42	0	0	0	0	0	0	0	
66	0	0	0	0	10	89	0	87	0	0	0	7	0	0	384	0	0	0	0	0	0	0	
8	0	0	0	0	13	50	0	28	0	0	0	9	0	0	175	0	0	0	0	0	0	0	
63	0	0	0	0	1	83	0	3	0	0	0	0	0	0	51	0	0	0	0	0	0	0	
15	0	0	0	0	0	8	0	27	0	0	0	2	0	0	61	0	0	0	0	0	0	0	
4	0	0	0	0	3	21	0	6	0	0	0	7	0	0	35	0	0	0	0	0	0	0	
24	0	0	0	0	12	50	0	15	0	0	0	29	0	0	193	0	0	0	0	0	0	0	
2	0	0	0	0	0	4	0	13	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	

0.21590261161327362

Adagrad

mean_squared_error

381	0	0	0	4	0	4	9	1	7	2	2	0	0	2	1	0	5	0	0	0	0	0	
17	70	0	0	0	0	1	0	2	1	0	100	0	3	1	1	0	1	0	0	3	0	0	
0	0	5	0	1	0	0	40	0	0	5	1	1	0	1	3	0	3	0	0	3	1	0	
3	1	2	67	0	0	0	6	0	0	1	0	3	0	0	3	0	0	0	20	1	0	0	
7	0	0	0	180	0	0	8	1	1	0	0	0	0	1	1	0	15	0	0	0	0	0	
0	0	1	0	0	99	0	2	0	0	0	0	1	2	0	0	0	2	5	0	5	0	0	
0	0	0	0	0	0	537	1	114	0	0	0	3	0	0	1	1	0	0	0	0	0	0	
33	0	0	0	2	0	3	265	0	12	4	0	0	0	2	13	0	4	0	0	0	0	0	
2	0	0	0	0	0	226	4	227	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	3	0	0	9	0	72	1	0	0	0	0	1	0	0	0	0	0	0	0	
13	0	0	0	3	0	2	40	0	1	27	0	0	0	0	6	0	12	0	0	0	0	0	
98	27	0	0	2	0	4	4	2	1	5	150	2	1	2	3	0	2	0	0	3	0	0	
22	0	2	22	4	0	13	74	35	5	3	3	78	2	1	13	0	7	2	3	1	1	0	
2	1	1	6	0	1	1	7	0	5	1	0	3	21	1	5	1	2	4	1	8	0	0	
1	1	0	0	2	0	1	8	2	0	0	0	0	0	94	1	1	0	0	0	0	0	0	
4	0	1	0	8	0	3	21	2	5	0	0	1	0	1	588	0	9	0	0	0	0	0	
1	1	0	1	0	0	1	1	1	0	1	0	4	0	1	0	99	0	0	0	172	0	0	
16	0	0	0	94	0	2	3	1	3	0	0	0	0	0	1	0	81	0	0	0	0	0	
12	0	1	1	0	0	0	8	0	1	6	0	0	0	0	4	0	42	34	2	0	2	0	
0	0	8	39	0	0	0	1	0	0	1	0	11	1	0	5	0	0	1	4	5	0	0	
22	8	1	3	2	0	0	14	0	0	9	11	7	2	6	3	0	1	5	0	229	0	0	
0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	11	2	0	0	5	0	
12	0	0	0	2	0	0	2	0	9	0	0	0	0	0	0	0	1	0	0	0	0	0	

0.6302073597908020

mean_absolute_error

0	0	0	0	0	0	5	0	65	0	0	0	0	0	0	348	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	19	0	0	0	0	0	0	178	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	63	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	72	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	6	0	0	0	0	0	0	207	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	72	0	0	0	0	0	0	0	
0	0	0	0	0	0	520	0	133	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	28	0	0	0	0	0	0	307	0	0	0	0	0	0	0	
0	0	0	0	0	0	240	0	229	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	86	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	97	0	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	49	0	0	0	0	0	0	251	0	0	0	0	0	0	0	
0	0	0	0	0	0	19	0	178	0	0	0	0	0	0	94	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	68	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	13	0	0	0	0	0	0	96	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	6	0	0	0	0	0	0	634	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	16	0	0	0	0	0	0	266	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	194	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	111	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	67	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	317	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	21	0	0	0	0	0	0	0	

0.26307779550552370

mean_absolute_percentage_error

0	0	0	0	0	38	5	0	0	0	0	0	219	0	0	156	0	0	0	0	0	0	0	
0	0	0	0	0	19	3	0	0	0	0	0	118	0	0	60	0	0	0	0	0	0	0	
0	0	0	0	0	13	0	0	0	0	0	0	21	0	0	30	0	0	0	0	0	0	0	
0	0	0	0	0	10	0	0	0	0	0	0	81	0	0	16	0	0	0	0	0	0	0	
0	0	0	0	0	9	2	0	0	0	0	0	21	0	0	182	0	0	0	0	0	0	0	
0	0	0	0	0	98	1	0	0	0	0	0	10	0	0	8	0	0	0	0	0	0	0	
0	0	0	0	0	0	644	0	0	0	0	0	12	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	27	4	0	0	0	0	0	122	0	0	185	0	0	0	0	0	0	0	
0	0	0	0	0	1	443	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	14	1	0	0	0	0	0	45	0	0	38	0	0	0	0	0	0	0	
0	0	0	0	0	8	2	0	0	0	0	0	16	0	0	78	0	0	0	0	0	0	0	
0	0	0	0	0	23	6	0	0	0	0	0	188	0	0	89	0	0	0	0	0	0	0	
0	0	0	0	0	11	28	0	0	0	0	0	214	0	0	38	0	0	0	0	0	0	0	
0	0	0	0	0	6	1	0	0	0	0	0	19	0	0	45	0	0	0	0	0	0	0	
0	0	0	0	0	38	3	0	0	0	0	0	31	0	0	39	0	0	0	0	0	0	0	
0	0	0	0	0	1	4	0	0	0	0	0	8	0	0	630	0	0	0	0	0	0	0	
0	0	0	0	0	15	2	0	0	0	0	0	203	0	0	63	0	0	0	0	0	0	0	
0	0	0	0	0	15	2	0	0	0	0	0	14	0	0	170	0	0	0	0	0	0	0	
0	0	0	0	0	31	0	0	0	0	0	0	14	0	0	68	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	65	0	0	10	0	0	0	0	0	0	0	
0	0	0	0	0	40	1	0	0	0	0	0	164	0	0	118	0	0	0	0	0	0	0	
0	0	0	0	0	9	0	0	0	0	0	0	2	0	0	11	0	0	0	0	0	0	0	
0	0	0	0	0	5	0	0	0	0	0	0	15	0	0	6	0	0	0	0	0	0	0	

0.30169299244880676

mean_squared_logarithmic_error

395	0	0	0	1	0	4	2	1	2	1	6	0	0	2	1	0	3	0	0	0	0	0	
29	63	0	0	0	0	2	0	1	0	0	99	1	0	0	3	0	1	0	0	1	0	0	
0	0	4	0	1	0	0	39	0	3	3	3	0	2	1	1	2	0	4	1	0	2	1	0
1	1	2	47	0	0	0	7	0	2	3	0	18	5	0	1	0	2	1	7	10	0	0	
6	0	0	0	187	0	0	5	0	2	0	0	0	0	0	0	0	0	14	0	0	0	0	
0	0	0	1	0	98	0	6	0	0	0	0	0	1	0	0	0	0	9	0	2	0	0	
0	0	0	0	1	0	505	0	143	0	0	0	7	0	0	0	1	0	0	0	0	0	0	
18	0	0	0	1	0	3	290	1	6	1	0	0	0	2	11	0	4	0	0	0	0	1	
2	0	0	0	0	0	205	2	253	0	0	0	12	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	1	0	0	14	0	75	0	0	0	0	0	1	0	0	0	0	0	0	6	
12	0	0	0	4	0	2	49	0	1	15	1	0	0	0	6	0	13	0	0	0	0	1	
98	35	0	0	5	0	4	0	1	0	6	148	2	0	1	4	0	1	0	0	1	0	0	
14	1	2	1	36	0	9	12	28	8	6	4	126	1	2	12	0	24	2	0	0	2	1	
1	0	2	4	0	1	1	5	0	2	0	0	5	40	0	4	0	1	1	0	1	1	2	
1	2	0	0	1	0	1	6	1	0	0	0	0	0	99	0	0	0	0	0	0	0	0	
10	0	0	0	5	0	2	20	2	2	2	1	3	0	0	583	1	11	1	0	0	0	0	
0	1	0	0	0	0	1	2	1	0	1	0	5	0	2	0	95	0	0	0	175	0	0	
10	0	0	0	66	0	1	4	0	5	0	0	2	0	0	0	0	113	0	0	0	0	0	
6	0	0	0	0	0	0	13	0	2	3	0	1	0	0	3	0	13	67	0	0	3	2	
0	0	14	26	0	0	0	0	0	0	1	0	8	9	0	3	1	0	1	1	12	0	0	
12	20	0	1	1	0	0	7	0	1	10	3	2	2	11	3	1	1	0	0	248	0	0	
1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	6	4	0	0	9	0	
10	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	0	2	0	0	0	0	2	

0.6587406992912292

squared_hinge

390	0	0	0	2	0	4	10	1	0	0	9	0	0	0	1	0	0	0	0	1	0	0	
36	0	0	0	1	0	2	6	1	0	0	144	2	0	0	2	0	0	0	0	6	0	0	
1	0	0	0	0	0	0	57	0	0	0	2	2	0	0	2	0	0	0	0	0	0	0	
1	0	0	0	0	8	0	28	0	0	0	2	25	0	0	2	0	0	0	0	41	0	0	
8	0	0	0	196	0	0	9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	94	0	7	1	0	0	0	6	0	0	1	3	0	0	0	5	0	0	
2	0	0	0	0	0	487	0	158	0	0	0	9	0	0	0	1	0	0	0	0	0	0	
56	0	0	0	5	0	2	260	1	0	0	0	0	0	0	14	0	0	0	0	0	0	0	
2	0	0	0	0	0	202	3	252	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
43	0	0	0	3	0	0	49	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	
14	0	0	0	4	0	2	76	0	0	0	1	0	0	0	7	0	0	0	0	0	0	0	
104	0	0	0	1	0	4	12	2	0	0	175	0	0	0	4	0	0	0	0	4	0	0	
26	0	0	0	2	0	12	94	24	0	0	14	97	0	0	15	1	0	0	0	6	0	0	
2	0	0	0	1	0	1	13	0	0	0	0	5	0	0	4	0	0	0	0	45	0	0	
8	0	0	0	18	0	0	10	3	0	0	3	0	0	0	4	25	0	0	0	40	0	0	
4	0	0	0	11	0	1	29	2	0	0	1	5	0	0	589	0	0	0	0	1	0	0	
0	0	0	0	0	0	1	1	1	0	0	1	6	0	0	2	106	0	0	0	165	0	0	
10	0	0	0	151	0	0	34	1	0	0	0	2	0	0	3	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	95	0	0	0	1	1	0	0	6	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	3	1	0	0	0	31	0	0	8	0	0	0	0	33	0	0	
16	0	0	0	1	0	0	34	1	0	0	19	5	0	0	7	3	0	0	0	237	0	0	
0	0	0	0	4	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	2	0	0	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	

0.5484116673469543

hinge

411	0	0	0	0	0	5	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
172	0	0	0	0	0	3	0	0	0	0	0	14	0	0	5	6	0	0	0	0	0	0	
36	0	0	0	0	0	0	0	0	0	0	0	5	0	0	11	12	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	40	0	0	9	33	0	0	0	0	0	0	
199	0	0	0	0	0	1	0	0	0	0	0	1	0	0	13	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	62	0	0	3	46	0	0	0	0	0	0	
0	0	0	0	0	0	643	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	
314	0	0	0	0	0	4	0	0	0	0	0	0	0	0	19	1	0	0	0	0	0	0	
5	0	0	0	0	0	449	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	
93	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	0	0	0	0	0	0	
91	0	0	0	0	0	2	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	
277	0	0	0	0	0	7	0	0	0	0	0	9	0	0	9	4	0	0	0	0	0	0	
100	0	0	0	0	0	29	0	0	0	0	0	139	0	0	16	7	0	0	0	0	0	0	
18	0	0	0	0	0	1	0	0	0	0	0	5	0	0	9	38	0	0	0	0	0	0	
99	0	0	0	0	0	2	0	0	0	0	0	1	0	0	2	7	0	0	0	0	0	0	
17	0	0	0	0	0	4	0	0	0	0	0	6	0	0	615	1	0	0	0	0	0	0	
5	0	0	0	0	0	2	0	0	0	0	0	20	0	0	1	255	0	0	0	0	0	0	
183	0	0	0	0	0	2	0	0	0	0	0	1	0	0	15	0	0	0	0	0	0	0	
90	0	0	0	0	0	0	0	0	0	0	0	2	0	0	15	6	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	33	0	0	9	27	0	0	0	0	0	0	
109	0	0	0	0	0	0	0	0	0	0	0	10	0	0	11	193	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.3924291431903839

categorical_hinge

331	0	0	0	4	1	1	51	4	1	0	1	6	0	3	11	1	0	3	0	0	0	0
37	62	0	0	8	0	0	13	2	0	3	16	13	1	1	5	8	5	12	0	14	0	0
0	1	2	0	7	0	0	44	0	0	1	1	2	0	4	0	0	1	1	0	0	0	0
0	1	0	15	19	1	0	6	0	0	1	1	11	0	2	1	8	0	5	12	24	0	0
15	0	0	0	138	0	0	34	4	0	1	0	5	0	9	7	0	0	0	0	1	0	0
0	0	0	1	0	100	0	3	0	0	0	0	1	0	1	1	4	2	3	0	1	0	0
0	0	0	0	0	0	535	0	118	0	0	0	4	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	2	307	2	0	0	0	3	0	1	14	1	0	0	0	0	0	0
1	0	0	0	0	0	202	2	260	0	1	0	8	0	0	0	0	0	0	0	0	0	0
42	0	0	0	4	0	0	32	0	8	0	0	5	0	1	2	0	0	2	0	0	0	2
47	1	0	0	5	0	2	29	0	0	10	0	0	0	0	5	3	0	1	0	1	0	0
108	45	0	0	19	0	4	39	2	1	3	28	7	1	6	10	2	13	1	0	16	0	1
7	3	0	0	27	0	8	49	24	0	0	0	148	0	4	9	4	2	0	0	6	0	0
4	11	0	1	2	0	1	4	0	0	1	0	5	13	2	2	13	1	2	0	9	0	0
9	0	0	0	0	0	0	4	3	0	0	0	1	0	77	2	13	0	0	0	2	0	0
3	0	0	0	2	0	3	1	1	0	0	0	5	0	0	626	1	0	1	0	0	0	0
0	2	0	1	0	0	1	1	1	0	2	0	59	0	0	2	203	0	0	0	11	0	0
40	0	0	0	90	0	2	35	1	0	7	0	1	0	10	6	0	7	0	0	0	0	2
16	0	0	0	3	0	0	16	0	1	3	0	3	0	4	6	0	5	55	0	1	0	0
0	0	0	3	7	0	0	5	0	0	0	6	5	3	3	1	10	0	0	3	30	0	0
15	42	0	0	9	0	0	19	0	1	5	1	22	1	12	1	54	3	23	0	115	0	0
1	0	0	0	2	0	0	8	0	0	0	0	1	0	2	0	2	0	5	0	0	1	0
15	0	0	0	3	0	0	4	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0

0.57903748750686 65

logcosh

400	0	0	0	1	0	3	0	1	2	1	5	0	0	2	1	0	2	0	0	0	0	0
35	53	0	0	0	0	2	0	1	1	1	101	1	0	0	2	0	1	0	0	2	0	0
0	0	0	3	3	0	0	32	0	6	2	0	5	0	0	2	0	8	1	0	2	0	0
2	1	0	36	1	0	0	18	1	9	2	0	21	3	0	3	0	0	0	5	5	0	0
7	0	0	0	193	0	0	3	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	95	0	6	0	0	0	0	1	2	0	0	3	0	7	0	3	0	0
0	0	0	0	3	0	515	0	131	0	0	0	7	0	0	0	1	0	0	0	0	0	0
18	0	0	0	1	0	2	284	2	11	2	0	0	0	2	11	0	5	0	0	0	0	0
0	0	0	0	0	0	208	5	239	0	0	0	22	0	0	0	0	0	0	0	0	0	0
1	0	0	0	2	0	0	25	0	66	0	0	0	0	0	2	0	2	0	0	0	0	0
10	0	0	0	2	0	2	57	0	3	5	0	0	0	0	6	0	19	0	0	0	0	0
113	24	0	0	1	0	4	0	1	0	3	154	1	0	0	2	0	2	0	0	1	0	0
11	0	0	6	35	0	11	27	47	12	5	3	106	1	1	13	1	9	1	1	1	0	0
1	0	0	12	1	1	1	7	0	5	1	0	6	18	0	7	0	4	3	0	4	0	0
1	1	0	0	2	0	2	7	1	0	0	0	0	0	95	1	1	0	0	0	0	0	0
7	0	0	0	5	0	3	11	2	9	0	2	3	0	0	586	1	13	0	0	1	0	0
0	0	0	1	0	0	1	1	1	0	2	0	1	0	2	0	103	0	0	0	171	0	0
7	0	0	0	65	0	2	4	1	3	1	0	0	0	0	0	0	118	0	0	0	0	0
5	0	0	1	0	0	0	13	0	4	8	0	1	0	0	2	0	17	61	1	0	0	0
0	1	2	30	1	0	0	5	0	1	0	0	21	1	0	2	1	0	1	0	10	0	0
6	16	1	0	2	0	0	12	0	4	6	4	2	1	10	6	0	1	1	0	251	0	0
0	0	0	0	1	0	0	8	0	0	0	0	0	0	0	1	0	5	4	0	0	3	0
6	0	0	0	1	0	0	7	0	11	0	0	0	0	0	0	0	1	0	0	0	0	0

0.6431424617767334

categorical_crossentropy

398	0	0	0	1	0	3	1	0	1	1	9	0	0	2	2	0	0	0	0	0	0	0
30	66	0	0	0	0	1	1	0	0	1	99	0	0	0	2	0	0	0	0	0	0	0
1	0	16	0	0	0	0	32	0	0	1	0	0	2	2	3	0	5	0	0	1	0	1
1	2	2	63	0	0	0	11	1	0	0	0	5	0	0	6	0	6	1	4	5	0	0
6	0	0	0	167	0	0	3	0	3	1	0	0	0	1	1	0	31	0	0	0	1	0
0	0	1	0	0	98	0	1	0	0	0	0	0	0	0	0	1	0	14	0	2	0	0
1	0	1	0	3	0	494	2	145	0	0	1	8	0	0	1	1	0	0	0	0	0	0
13	0	0	0	0	0	2	307	0	2	1	0	0	0	2	7	0	3	0	0	0	0	1
0	0	0	0	2	0	194	4	257	0	1	2	13	0	0	1	0	0	0	0	0	0	0
1	0	0	0	1	0	0	18	0	76	0	0	0	0	0	1	0	0	0	0	0	0	1
5	0	0	0	3	0	2	20	0	1	58	0	0	0	0	7	0	8	0	0	0	0	0
113	37	0	0	1	0	4	1	0	0	1	145	0	0	0	3	0	0	1	0	0	0	0
8	0	3	5	18	0	15	37	51	0	10	3	64	2	4	28	0	39	2	0	1	0	1
1	0	5	0	0	1	1	4	0	3	1	0	5	38	0	4	0	5	1	0	1	0	1
1	0	0	0	3	0	0	4	2	0	1	0	0	0	95	1	1	1	0	0	2	0	0
11	2	0	0	3	0	3	12	3	1	1	2	2	0	0	596	1	4	2	0	0	0	0
0	0	0	1	0	0	1	1	1	0	1	0	3	0	2	1	106	0	0	0	165	0	1
7	0	0	0	65	0	2	6	1	1	1	0	0	0	0	1	0	116	0	0	0	0	1
4	0	0	1	0	0	0	11	0	0	2	0	0	0	0	0	0	8	84	1	0	2	0
0	1	5	29	0	0	0	0	1	0	0	0	25	3	0	5	0	1	0	0	6	0	0
7	29	3	0	1	0	0	5	0	2	5	2	1	0	9	12	0	2	0	0	245	0	0
1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	2	7	0	0	7	0
5	0	1	0	1	0	0	8	0	3	0	0	0	0	0	0	0	2	1	0	0	0	5

0.66596919298172

kullback_leibler_divergence

394	0	0	0	2	0	2	3	0	1	0	8	0	0	2	3	0	3	0	0	0	0	0
35	38	0	0	0	0	2	0	0	0	0	119	0	0	0	4	0	0	0	0	2	0	0
1	0	4	0	0	0	0	47	0	0	1	0	0	0	0	7	0	4	0	0	0	0	0
3	1	4	31	1	0	0	2	2	0	3	0	39	2	0	4	0	3	0	4	8	0	0
5	0	0	0	189	0	0	4	0	1	0	0	0	0	0	2	0	0	13	0	0	0	0
0	0	0	0	0	98	0	5	0	0	0	0	1	1	0	0	1	0	10	0	1	0	0
2	0	1	0	5	0	503	0	133	0	0	1	8	0	1	2	0	0	0	0	0	0	1
9	0	0	0	1	0	2	292	0	10	4	0	0	0	2	11	0	4	0	0	0	0	3
1	0	0	0	2	0	236	4	207	0	1	1	20	0	1	1	0	0	0	0	0	0	0
2	0	0	0	2	0	0	14	0	72	1	0	0	0	0	0	0	1	0	0	0	0	6
7	0	0	0	3	0	2	40	0	0	31	0	0	0	0	7	0	12	1	0	0	0	1
113	26	0	0	1	0	4	1	0	0	0	156	1	0	0	2	0	1	0	0	1	0	0
19	1	10	12	18	0	19	23	48	5	29	2	51	0	1	19	0	27	2	1	1	0	3
2	0	1	3	0	2	1	8	0	0	2	0	2	28	0	13	0	6	1	0	0	1	1
1	0	0	0	2	0	0	9	1	0	0	0	0	0	96	1	0	1	0	0	0	0	0
10	0	0	0	9	0	3	22	3	9	1	2	2	0	0	557	1	19	3	1	0	0	1
0	1	0	1	0	0	1	2	1	0	1	0	5	1	2	0	136	0	0	0	132	0	0
8	0	0	0	87	0	1	4	1	3	0	0	0	0	0	1	0	96	0	0	0	0	0
2	0	0	0	0	0	0	12	0	1	6	0	0	0	0	4	0	8	69	1	0	9	1
0	0	6	16	0	0	0	0	0	0	4	0	34	2	0	4	1	0	0	0	9	0	0
26	12	0	2	0	0	0	9	0	0	8	2	2	1	10	9	1	1	2	0	238	0	0
1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	5	4	0	0	8	0
4	0	0	0	1	0	0	3	0	9	0	0	0	0	0	0	0	2	0	0	0	0	7

0.6279246807098389

poisson

394	0	0	0	3	0	2	2	0	1	0	9	0	0	2	2	0	2	0	0	0	0	1
23	56	0	0	0	0	1	0	0	0	0	113	1	0	0	3	0	1	0	0	2	0	0
0	0	1	0	1	0	0	52	0	2	2	0	0	0	0	2	0	4	0	0	0	0	0
1	1	2	45	2	2	0	20	3	0	3	0	15	1	0	3	0	1	0	5	3	0	0
7	0	0	0	180	0	0	6	0	3	0	0	0	0	0	2	0	0	16	0	0	0	0
0	0	0	2	0	98	0	6	0	0	0	0	0	0	0	0	1	0	7	0	3	0	0
1	0	0	0	3	0	510	2	126	2	0	2	8	0	1	2	0	0	0	0	0	0	0
17	0	0	0	4	0	2	285	0	8	4	0	0	0	2	9	0	6	0	0	0	0	1
0	0	0	0	1	0	233	5	212	1	1	2	17	0	0	1	0	0	0	0	1	0	0
1	0	0	0	1	0	0	23	0	69	0	0	0	0	0	1	0	0	0	0	0	0	3
10	0	0	0	3	0	2	47	0	0	11	1	0	0	1	8	0	20	1	0	0	0	0
101	32	0	0	3	0	4	0	0	0	1	155	0	0	6	3	0	0	0	0	1	0	0
19	1	4	1	16	0	16	57	40	6	9	3	61	1	3	18	0	28	2	0	3	1	2
2	0	3	1	1	1	1	5	0	0	1	0	6	34	1	6	0	4	1	0	2	1	1
2	1	0	0	2	0	0	6	0	0	1	2	0	0	95	1	0	0	0	0	1	0	0
10	0	0	0	5	0	3	18	2	7	1	1	2	0	0	579	1	11	1	0	1	1	0
1	2	0	1	0	0	1	1	1	0	1	0	3	1	2	1	115	0	0	0	153	0	0
10	0	0	0	96	0	2	9	1	2	0	0	0	0	0	0	0	81	0	0	0	0	0
7	0	0	0	0	0	0	11	0	2	3	0	0	0	0	2	0	14	68	0	0	5	1
0	0	11	23	0	0	0	1	0	0	0	0	25	1	0	3	1	0	1	1	9	0	0
19	31	0	0	2	0	0	6	0	0	6	5	2	1	9	6	3	2	1	0	230	0	0
0	0	0	0	1	0	0	7	0	0	0	0	0	0	0	0	0	4	4	0	0	6	0
4	0	0	0	0	0	0	8	0	9	0	0	0	0	0	0	0	1	0	0	0	0	4

0.625832200050354

cosine_proximity

392	0	0	0	1	0	3	0	1	2	0	10	0	0	2	2	0	3	0	0	0	0	2
31	60	0	0	0	0	2	0	0	0	0	105	0	0	0	2	0	0	0	0	0	0	0
4	0	29	0	0	0	0	9	2	0	6	0	0	0	0	4	0	8	0	0	0	2	0
0	1	10	58	0	0	0	2	0	0	0	0	2	0	0	2	0	0	0	27	5	0	0
4	0	0	1	199	0	1	0	0	2	0	0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	3	0	97	0	4	0	0	1	0	0	0	0	0	1	0	9	0	2	0	0
0	0	0	0	0	0	507	0	139	0	0	0	9	0	0	1	1	0	0	0	0	0	0
13	0	0	0	1	0	3	298	1	4	5	0	0	0	3	9	0	1	0	0	0	0	0
4	0	1	0	0	0	205	0	247	1	0	0	16	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	4	0	79	1	0	0	1	0	1	0	2	0	0	0	0	8
10	0	1	0	3	0	2	20	0	1	30	0	0	0	0	12	0	25	0	0	0	0	0
112	24	0	0	2	0	5	1	0	0	0	156	1	0	0	4	0	0	0	0	1	0	0
12	1	30	3	31	0	19	9	39	2	10	2	94	2	1	15	0	13	1	0	1	3	3
2	0	1	2	0	1	1	1	0	0	5	0	2	38	0	10	0	5	1	0	0	1	1
1	0	0	0	2	0	1	6	1	0	2	0	0	0	96	1	1	0	0	0	0	0	0
11	0	0	0	7	0	4	14	1	5	2	1	4	0	0	575	1	16	0	0	0	2	0
0	0	0	1	0	0	1	3	1	0	1	0	3	0	0	0	105	0	0	1	167	0	0
8	0	0	0	96	0	2	1	1	2	1	0	0	0	0	3	0	87	0	0	0	0	0
2	0	1	0	0	0	0	6	0	0	5	0	0	0	0	5	0	16	65	0	0	11	2
0	1	3	49	0	0	0	1	1	0	1	0	5	1	0	1	0	0	0	7	6	0	0
10	16	1	0	1	0	0	9	0	0	9	1	1	2	12	3	0	1	5	0	252	0	0
0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1	0	6	2	0	0	8	0
4	0	0	0	1	0	0	2	0	7	0	0	0	0	0	0	0	3	0	0	0	0	9

0.6634963154792786

Adadelta

mean_squared_error

374	1	0	0	2	0	3	3	2	0	1	27	0	0	3	1	0	1	0	0	0	0	0
48	59	0	0	0	0	2	0	1	1	0	84	0	0	1	2	0	1	0	0	1	0	0
0	1	0	1	1	1	0	43	0	0	4	0	1	0	1	2	0	5	1	0	3	0	0
2	2	0	15	0	1	0	19	0	2	3	0	33	0	0	2	0	4	2	0	22	0	0
6	0	0	0	176	0	0	2	1	0	0	1	0	0	2	0	0	26	0	0	0	0	0
0	0	0	1	0	94	0	4	0	0	0	0	1	0	0	1	2	1	8	0	5	0	0
0	0	0	0	0	0	491	0	162	0	0	0	3	0	0	0	1	0	0	0	0	0	0
38	0	0	0	2	0	2	262	2	0	5	2	0	0	2	16	0	6	0	0	1	0	0
1	0	0	0	0	0	183	4	273	0	0	0	13	0	0	0	0	0	0	0	0	0	0
18	0	0	0	3	0	0	62	0	2	2	1	1	0	0	3	0	4	1	0	1	0	0
14	0	0	0	2	2	2	49	0	0	13	2	0	0	0	5	0	13	2	0	0	0	0
94	36	0	0	2	1	5	3	1	0	1	157	1	0	1	1	0	1	1	0	1	0	0
13	1	0	4	13	0	9	37	29	0	4	6	133	0	1	13	0	21	5	0	2	0	0
2	1	0	8	0	1	1	10	0	3	3	0	6	0	0	5	1	7	7	0	16	0	0
1	1	0	0	1	0	0	7	2	0	0	2	0	0	94	0	2	0	0	0	1	0	0
9	3	0	0	5	0	2	15	3	0	2	0	4	0	2	586	1	9	1	0	1	0	0
0	4	0	2	0	0	1	1	1	0	1	1	3	0	2	1	116	0	0	0	150	0	0
7	0	0	0	74	0	1	4	2	0	0	0	0	0	0	1	0	111	1	0	0	0	0
10	0	0	1	0	0	0	14	0	1	4	0	1	0	0	4	0	34	44	0	0	0	0
0	1	0	6	0	0	0	18	0	6	1	0	15	0	0	2	1	6	4	0	16	0	0
23	38	0	0	0	0	0	36	0	9	6	5	1	0	12	2	4	3	3	0	181	0	0
0	0	0	0	0	0	0	10	0	0	0	0	1	0	0	1	0	7	3	0	0	0	0
13	0	0	0	1	0	0	8	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0

0.6050979495048523

mean_absolute_error

0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	403	0	0	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	191	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	93	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	209	0	0	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0
0	0	0	0	0	0	652	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	331	0	0	0	0	0	0	0
0	0	0	0	0	0	468	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	285	0	0	0	0	0	0	0
0	0	0	0	0	0	142	0	0	0	0	0	0	0	0	149	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	108	0	0	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	637	0	0	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	275	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	197	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	318	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0

0.2451968789100647

mean_absolute_percentage_error

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	0	0	0	0	4	0	0
4	0	0	0	0	0	0	50	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0
2	0	0	0	0	0	0	19	0	0	0	0	25	0	0	3	0	0	0	0	58	0	0
99	0	0	0	0	0	1	53	0	0	0	0	6	0	0	53	0	0	0	0	2	0	0
0	0	0	0	0	0	0	23	0	0	0	0	64	0	0	18	0	0	0	0	12	0	0
0	0	0	0	0	0	507	0	146	0	0	0	0	0	0	4	0	0	0	0	0	0	0
3	0	0	0	0	0	2	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	156	1	308	0	0	0	6	0	0	1	0	0	0	0	1	0	0
5	0	0	0	0	0	0	88	0	0	0	0	1	0	0	2	0	0	0	0	2	0	0
34	0	0	0	0	0	2	27	0	0	0	0	1	0	0	28	0	0	0	0	12	0	0
300	0	0	0	0	0	4	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
30	0	0	0	0	0	8	38	21	0	0	0	156	0	0	28	0	0	0	0	10	0	0
3	0	0	0	0	0	1	13	0	0	0	0	11	0	0	8	0	0	0	0	35	0	0
39	0	0	0	0	0	1	4	2	0	0	0	1	0	0	3	0	0	0	0	61	0	0
8	0	0	0	0	0	4	6	1	0	0	0	0	0	0	624	0	0	0	0	0	0	0
0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	2	0	0	0	0	277	0	0
69	0	0	0	0	0	2	71	1	0	0	0	5	0	0	46	0	0	0	0	7	0	0
16	0	0	0	0	0	0	45	0	0	0	0	7	0	0	35	0	0	0	0	10	0	0
0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	6	0	0	0	0	65	0	0
8	0	0	0	0	0	0	13	0	0	0	0	2	0	0	0	0	0	0	0	300	0	0
2	0	0	0	0	0	0	11	0	0	0	0	1	0	0	7	0	0	0	0	1	0	0
4	0	0	0	0	0	0	17	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0

0.5031386613845825

mean_squared_logarithmic_error

289	0	0	0	20	2	9	3	3	0	0	0	6	0	0	70	15	0	0	0	1	0	0
87	0	0	0	7	0	5	2	1	0	0	0	4	0	0	85	5	0	0	0	4	0	0
13	0	0	0	7	1	6	1	4	0	0	0	1	0	1	12	13	0	0	0	5	0	0
3	0	0	0	6	13	17	0	24	0	0	0	12	0	1	20	4	0	0	0	7	0	0
54	0	0	0	80	0	36	1	13	0	0	0	8	0	1	8	4	0	0	0	9	0	0
2	1	0	0	0	95	0	0	1	0	0	1	5	0	0	7	3	0	0	0	2	0	0
4	0	0	0	7	2	585	0	46	0	0	1	1	0	0	9	0	0	0	0	2	0	0
184	0	0	0	22	2	11	2	8	0	0	0	4	0	0	77	20	0	0	0	8	0	0
4	0	0	0	0	5	372	0	74	0	0	0	7	0	0	10	1	0	0	0	1	0	0
47	0	0	0	2	1	0	0	0	0	0	0	2	0	0	29	17	0	0	0	0	0	0
54	0	0	0	6	0	3	0	4	0	0	0	1	0	0	34	2	0	0	0	0	0	0
152	0	0	0	21	2	13	2	2	0	0	1	9	0	0	81	9	0	0	0	14	0	0
28	0	0	0	14	5	152	4	36	0	0	0	19	0	2	19	6	0	0	0	6	0	0
8	1	0	0	3	0	1	0	0	0	0	0	2	0	0	47	7	0	1	0	1	0	0
40	0	0	0	3	0	2	0	0	0	0	0	1	0	9	6	13	0	0	0	37	0	0
56	0	0	0	6	14	9	1	3	0	0	0	6	0	0	469	70	0	0	0	9	0	0
12	1	0	0	3	12	2	0	6	0	0	0	5	0	0	122	57	0	0	0	63	0	0
100	0	0	0	29	3	11	4	8	0	0	0	8	0	0	19	13	0	1	0	5	0	0
37	0	0	0	1	2	0	1	8	0	0	0	9	0	0	31	21	0	3	0	0	0	0
5	0	0	0	10	1	9	2	4	0	0	1	19	0	0	19	1	0	0	0	5	0	0
34	0	0	0	10	2	3	0	4	0	0	1	4	0	0	132	64	0	1	0	68	0	0
4	0	0	0	0	0	0	0	3	0	0	0	4	0	0	1	10	0	0	0	0	0	0
15	0	0	0	1	0	0	0	1	0	0	0	0	0	0	8	1	0	0	0	0	0	0

0.3330796957015991

squared_hinge

339	0	0	0	0	0	2	38	3	0	0	36	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	2	13	2	0	0	120	10	0	0	4	0	0	0	0	26	0	0
3	0	0	0	0	0	0	20	0	0	0	3	2	0	0	7	0	0	0	0	29	0	0
0	0	0	0	0	0	0	0	0	0	0	6	14	0	0	1	0	0	0	0	86	0	0
29	0	0	0	0	0	0	171	0	0	0	3	0	0	0	10	0	0	0	0	1	0	0
1	0	0	0	0	0	0	5	3	0	0	0	48	0	0	3	0	0	0	0	57	0	0
0	0	0	0	0	0	436	0	205	0	0	2	14	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	2	210	0	0	0	6	0	0	0	13	0	0	0	0	0	0	0
2	0	0	0	0	0	170	1	284	0	0	2	15	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	30	0	0	0	7	1	0	0	2	0	0	0	0	1	0	0
28	0	0	0	0	0	1	64	1	0	0	2	0	0	0	6	0	0	0	0	2	0	0
75	0	0	0	0	0	4	26	3	0	0	162	5	0	0	8	0	0	0	0	23	0	0
11	0	0	0	0	0	6	30	24	0	0	66	85	0	0	13	0	0	0	0	56	0	0
4	0	0	0	0	0	1	7	0	0	0	2	4	0	0	3	0	0	0	0	50	0	0
26	0	0	0	0	0	0	61	3	0	0	8	0	0	0	2	0	0	0	0	11	0	0
0	0	0	0	0	0	1	27	0	0	0	1	8	0	0	603	0	0	0	0	3	0	0
0	0	0	0	0	0	1	3	1	0	0	1	78	0	0	3	0	0	0	0	196	0	0
33	0	0	0	0	0	0	158	2	0	0	1	1	0	0	6	0	0	0	0	0	0	0
15	0	0	0	0	0	0	80	0	0	0	4	1	0	0	9	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	1	0	0	1	12	0	0	2	0	0	0	0	60	0	0
10	0	0	0	0	0	0	38	1	0	0	27	7	0	0	6	0	0	0	0	234	0	0
0	0	0	0	0	0	0	20	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
22	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

0.447593688896484375

hinge

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0

0.12231310456991196

categorical_hinge

403	0	0	0	1	0	4	0	0	0	0	7	0	0	2	1	0	0	0	0	0	0	0	0
4	131	0	0	0	0	2	0	0	0	0	61	0	0	0	2	0	0	0	0	0	0	0	0
1	0	59	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
0	1	0	72	0	0	0	2	0	0	1	0	0	0	0	1	0	2	0	24	4	0	0	0
2	0	0	0	195	0	3	0	0	0	0	0	1	0	1	1	0	11	0	0	0	0	0	0
1	1	0	1	0	104	0	0	0	0	0	0	2	0	0	1	0	1	3	2	1	0	0	0
0	0	0	0	0	0	641	0	14	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	1	0	3	326	0	2	0	0	0	0	1	1	0	1	0	0	0	0	0	0
0	0	0	0	0	0	370	1	97	0	1	0	5	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	95	0	0	0	0	0	1	0	1	0	0	0	0	0	0
3	0	0	0	1	0	2	2	0	1	84	0	0	0	0	5	0	5	1	0	0	0	0	0
72	11	0	0	0	0	4	1	0	0	0	215	0	0	0	3	0	0	0	0	0	0	0	0
20	1	3	1	17	0	16	5	22	1	14	2	148	0	5	13	0	20	1	1	1	0	0	0
1	0	0	0	0	1	1	0	0	4	2	0	0	58	1	1	0	2	0	0	0	0	0	0
1	0	0	0	2	0	3	0	0	0	5	0	1	0	96	0	3	0	0	0	0	0	0	0
5	0	0	0	3	0	4	3	1	0	1	1	0	0	0	623	0	1	1	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	2	0	1	0	2	2	146	0	0	0	127	0	0	0
6	0	0	0	33	0	3	1	0	1	0	0	0	0	0	1	0	155	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	2	2	0	1	0	0	4	0	9	92	0	0	0	0	0
0	1	0	48	0	0	0	0	0	0	1	0	0	5	0	0	0	0	0	7	14	0	0	0
2	39	0	1	0	0	0	2	0	1	9	0	4	2	8	3	0	1	0	0	251	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	7	10	0	0	0	0	0
5	0	1	0	2	0	0	2	0	11	1	0	0	0	0	0	0	4	0	0	0	0	0	0

0.760509788990208

logcosh

182	0	0	0	0	0	15	0	13	0	0	0	0	0	0	208	0	0	0	0	0	0	0	0
26	0	0	0	0	0	16	0	5	0	0	0	4	0	0	149	0	0	0	0	0	0	0	0
6	0	0	0	0	1	12	0	14	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0
2	0	0	0	0	6	62	0	11	0	0	0	1	0	0	25	0	0	0	0	0	0	0	0
87	0	0	0	0	0	38	0	2	0	0	0	0	0	0	87	0	0	0	0	0	0	0	0
3	0	0	0	0	10	85	0	14	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
57	0	0	0	0	4	232	0	133	0	0	0	0	0	0	231	0	0	0	0	0	0	0	0
99	0	0	0	0	0	48	0	8	0	0	0	0	0	0	183	0	0	0	0	0	0	0	0
25	0	0	0	0	9	175	0	137	0	0	0	5	0	0	123	0	0	0	0	0	0	0	0
42	0	0	0	0	0	10	0	20	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0
37	0	0	0	0	0	13	0	1	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0
103	0	0	0	0	2	26	0	9	0	0	0	5	0	0	161	0	0	0	0	0	0	0	0
46	0	0	0	0	5	95	0	30	0	0	0	0	0	0	115	0	0	0	0	0	0	0	0
10	0	0	0	0	1	19	0	8	0	0	0	2	0	0	31	0	0	0	0	0	0	0	0
15	0	0	0	0	0	42	0	15	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0
73	0	0	0	0	3	212	0	88	0	0	0	3	0	0	264	0	0	0	0	0	0	0	0
14	0	0	0	0	11	127	0	31	0	0	0	13	0	0	87	0	0	0	0	0	0	0	0
69	0	0	0	0	0	33	0	2	0	0	0	1	0	0	96	0	0	0	0	0	0	0	0
19	0	0	0	0	0	27	0	29	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0
2	0	0	0	0	1	17	0	9	0	0	0	6	0	0	41	0	0	0	0	0	0	0	0
20	0	0	0	0	9	110	0	44	0	0	0	14	0	0	124	0	0	0	0	2	0	0	0
2	0	0	0	0	0	6	0	12	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
11	0	0	0	0	0	1	0	1	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0

0.157314062118530 27

categorical_crossentropy

413	0	0	0	0	0	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
0	119	0	0	0	0	0	1	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	32	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	70	2	0	0	0
2	0	0	1	198	0	0	0	0	1	3	0	0	0	1	1	0	7	0	0	0	0	0	0
0	1	1	2	0	99	0	0	0	0	0	0	1	0	0	0	0	1	5	0	0	7	0	0
0	0	0	0	1	0	535	3	106	1	0	0	1	0	0	7	1	0	1	0	1	0	0	0
1	0	0	0	0	0	1	333	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	191	3	270	0	0	0	4	0	0	1	0	1	1	0	1	0	0	0
0	0	1	0	0	0	0	1	0	83	0	0	0	0	0	1	0	2	0	0	0	1	9	
0	0	0	0	0	0	1	2	0	0	100	0	0	0	0	0	0	1	0	0	0	0	0	
116	0	1	0	0	0	3	1	0	0	0	180	0	0	0	3	0	1	1	0	0	0	0	
10	1	3	1	14	0	11	9	43	0	4	1	140	0	7	13	0	17	4	2	2	5	4	
0	0	0	0	0	0	1	4	0	1	1	0	0	57	1	1	0	3	0	0	1	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	103	0	3	2	0	0	0	0	2	
7	0	0	0	4	1	4	5	0	1	0	0	1	0	1	615	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	2	0	0	0	0	0	0	3	1	113	0	1	0	160	0	0	
5	0	0	0	6	0	1	1	1	1	0	0	0	0	0	0	0	185	1	0	0	0	0	
2	0	0	0	0	1	0	1	0	0	1	0	2	0	0	1	0	3	99	0	0	2	1	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	67	3	0	0	
1	12	0	0	0	0	0	14	0	0	2	1	3	1	6	1	0	1	1	2	278	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	2	0	0	1	0	5	0	0	0	0	0	0	0	1	0	0	0	0	16	

0.7829560637474 06

kullback_leibler_divergence

412	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
0	86	0	0	0	0	0	0	2	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0
0	0	58	0	0	0	0	2	0	0	1	0	0	0	0	2	0	1	0	0	0	0	0	0
0	0	0	17	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	86	2	0	0	
2	0	0	0	204	0	0	1	1	0	1	0	0	0	1	1	0	2	0	1	0	0	0	
0	1	0	7	0	100	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	3	1	
1	0	0	0	3	0	533	1	106	1	0	0	3	0	0	6	1	0	1	0	0	0	1	
2	0	0	0	1	0	1	331	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	
1	0	0	0	1	0	186	2	277	0	1	0	3	0	0	1	0	1	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	88	1	0	0	0	0	1	0	0	0	0	0	0	6	
1	0	0	0	1	1	0	1	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0	
123	0	0	0	1	0	3	1	0	0	0	175	0	0	0	3	0	0	0	0	0	0	0	
10	1	1	0	5	0	9	5	46	0	5	2	135	0	14	18	0	19	8	7	0	1	5	
1	0	0	0	0	0	1	1	0	1	1	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	3	0	0	0	0	0	0	0	0	0	106	0	0	1	0	0	0	0	1	
8	0	0	0	3	0	1	4	0	1	1	0	0	0	1	621	0	2	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	0	0	3	2	104	2	0	0	169	0	0	
5	0	0	0	13	0	0	1	1	0	0	0	0	0	0	0	0	180	0	0	0	0	1	
3	0	0	0	0	0	0	1	1	0	1	0	1	0	0	1	0	7	94	0	0	3	1	
0	0	0	2	0	0	0	0	0	0	0	0	2	0	1	0	0	0	69	2	0	0		
3	19	0	0	1	0	0	1	0	0	3	0	3	0	13	3	1	1	0	1	274	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	18	0	
0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	22	

0.7726840376853943

poisson

406	0	0	0	1	0	0	2	0	0	0	6	0	0	0	1	0	0	0	0	0	0	2	
0	129	0	0	0	0	0	0	1	0	0	69	0	0	0	1	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
0	0	0	51	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	53	1	0	0	
2	0	0	0	200	0	0	2	0	1	0	0	0	0	0	0	0	7	0	0	1	1	0	
0	0	0	1	0	100	0	0	0	0	0	0	2	0	0	0	0	1	3	0	1	9	0	
0	0	0	0	2	0	572	0	72	0	0	0	2	0	0	7	1	0	0	0	0	0	1	
2	0	0	0	0	0	1	324	0	2	0	0	0	0	4	2	0	1	1	0	0	0	1	
0	0	0	0	2	0	241	3	216	0	0	1	8	0	0	2	0	0	0	0	1	0	0	
0	0	1	0	1	0	0	0	0	84	0	0	0	1	0	1	0	1	0	0	0	0	9	
1	0	0	0	2	1	1	1	0	0	89	0	1	1	0	0	0	5	2	0	0	0	0	
66	0	0	0	0	0	4	0	0	0	0	234	0	0	0	2	0	0	0	0	0	0	0	
4	1	6	1	17	0	7	3	24	1	11	3	140	1	5	13	0	39	4	4	2	3	2	
0	0	0	0	0	0	1	1	0	1	0	0	2	58	1	0	0	4	1	0	0	0	2	
0	0	0	0	2	0	0	2	1	0	1	0	0	0	101	0	0	2	0	0	1	0	1	
8	0	0	0	5	0	2	5	1	0	1	0	1	0	1	612	0	5	1	0	1	0	0	
1	0	0	1	0	0	1	0	1	0	1	0	0	0	5	1	133	0	0	0	139	0	0	
5	0	0	0	35	0	0	1	0	1	0	0	0	0	0	0	0	158	0	0	0	0	1	
2	0	0	0	0	0	0	2	0	1	1	0	1	0	0	1	0	8	90	0	0	6	1	
0	0	0	19	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	51	3	0	0	
1	29	0	0	0	0	0	3	0	1	2	0	3	0	12	3	1	3	0	1	263	0	1	
0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	1	0	0	15	0	
1	0	0	0	1	0	0	1	0	4	0	0	0	0	0	0	0	2	0	0	0	0	17	

0.7808635830879211

cosine_proximity

415	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
0	80	0	0	0	0	0	1	0	0	1	118	0	0	0	0	0	0	0	0	0	0	0	
2	0	59	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
0	0	0	54	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	50	1	0	0	
5	0	0	1	186	0	1	0	0	1	0	0	0	0	3	1	0	15	0	0	0	0	1	
0	0	0	5	0	102	0	0	0	0	0	0	0	0	0	0	0	1	5	0	1	3	0	
3	0	0	0	2	0	518	0	127	0	0	0	1	0	1	5	0	0	0	0	0	0	0	
2	0	0	0	1	0	3	330	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	151	1	310	0	0	0	6	0	0	0	0	0	1	0	1	0	1	
0	0	0	0	1	0	0	0	0	91	0	0	0	0	0	1	0	0	0	0	0	0	5	
1	0	0	0	1	0	2	1	0	0	98	0	0	1	0	0	0	0	0	0	0	0	0	
203	0	0	0	0	0	2	1	0	0	0	99	0	0	0	0	0	0	1	0	0	0	0	
23	1	3	0	3	0	9	14	17	1	10	1	124	1	7	25	0	28	7	0	1	7	9	
1	0	0	0	0	0	1	1	0	2	3	0	0	58	1	1	0	3	0	0	0	0	0	
2	0	0	0	1	0	0	2	2	0	0	0	0	0	100	0	1	1	0	0	1	0	1	
10	0	0	0	3	0	3	5	0	0	0	0	1	0	1	618	0	1	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	0	0	3	1	60	0	0	2	211	0	0	
6	0	0	0	5	0	1	1	1	2	1	0	0	0	0	0	0	183	0	0	0	0	1	
2	0	0	0	0	1	0	1	0	0	1	0	1	0	0	2	0	4	96	0	0	2	3	
0	0	0	30	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	42	1	0	0	
5	4	0	0	0	0	0	3	0	2	1	1	3	0	8	3	0	0	0	1	291	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	19	0	
1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	21	

0.7521399855613708

Adam

mean_squared_error

414	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	
0	115	0	0	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	48	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	55	1	0	0	
2	0	0	0	201	0	1	1	1	1	0	0	0	0	1	0	0	5	0	0	0	1	0	
0	0	0	5	0	97	0	1	0	0	0	0	0	0	0	0	0	1	3	0	1	9	0	
2	0	0	0	0	0	592	0	55	0	0	0	2	0	0	5	1	0	0	0	0	0	0	
4	0	0	0	1	0	3	323	0	2	1	0	0	0	2	2	0	0	0	0	0	0	0	
3	0	0	0	0	0	248	1	213	0	1	1	3	0	0	2	0	0	1	0	0	0	1	
1	0	0	0	1	0	0	1	0	91	0	0	0	1	0	1	0	0	1	0	0	0	1	
1	0	0	0	1	0	2	2	0	0	97	0	0	1	0	0	0	0	0	0	0	0	0	
105	0	0	0	0	0	2	0	0	0	0	199	0	0	0	0	0	0	0	0	0	0	0	
13	1	0	2	3	0	8	3	35	0	10	1	124	3	4	25	1	23	9	7	1	15	3	
0	0	0	0	0	0	1	1	0	4	1	0	0	61	0	1	0	1	1	0	0	0	0	
0	0	0	0	1	0	1	1	0	0	1	0	0	0	104	0	1	1	0	0	0	0	1	
8	0	0	0	3	0	4	4	0	0	1	0	1	0	1	620	0	0	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	1	0	1	2	100	0	0	0	175	0	0	
5	0	0	1	10	0	3	0	0	2	0	0	0	0	0	0	0	179	1	0	0	0	0	
3	0	0	2	0	0	0	2	1	0	2	0	1	0	0	0	0	2	97	0	0	3	0	
0	0	0	16	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	56	2	0	0	
1	11	1	0	1	0	0	6	0	1	3	2	5	5	4	4	0	0	2	1	274	0	2	
0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	20	0	
2	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	18	

0.7806733846664429

mean_absolute_error

414	0	0	0	0	0	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
189	0	0	0	0	0	0	0	3	2	0	0	0	3	0	0	3	0	0	0	0	0	0	
0	0	0	0	0	1	0	58	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
1	0	0	0	0	2	0	32	0	0	0	0	10	0	0	61	1	0	0	0	0	0	0	
33	0	0	0	0	1	1	85	0	0	0	0	22	0	0	71	1	0	0	0	0	0	0	
0	0	0	0	0	109	0	4	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	
0	0	0	0	0	0	505	0	148	0	0	0	0	0	0	3	1	0	0	0	0	0	0	
3	0	0	0	0	0	2	326	1	0	0	0	1	0	0	4	1	0	0	0	0	0	0	
1	0	0	0	0	0	128	3	337	0	0	0	4	0	0	1	0	0	0	0	0	0	0	
3	0	0	0	0	6	0	81	0	0	0	0	3	0	0	5	0	0	0	0	0	0	0	
4	0	0	0	0	1	2	69	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
9	0	0	0	0	2	8	34	28	0	0	0	175	0	0	34	1	0	0	0	0	0	0	
0	0	0	0	0	13	1	17	0	0	0	0	16	0	0	11	13	0	0	0	0	0	0	
2	0	0	0	0	0	2	77	1	0	0	0	1	0	0	3	25	0	0	0	0	0	0	
8	0	0	0	0	0	4	2	1	0	0	0	1	0	0	627	0	0	0	0	0	0	0	
0	0	0	0	0	2	1	2	1	0	0	0	1	0	0	2	274	0	0	0	0	0	0	
16	0	0	0	0	0	2	118	1	0	0	0	5	0	0	59	0	0	0	0	0	0	0	
4	0	0	0	0	5	0	79	0	0	0	0	1	0	0	24	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	17	0	0	0	0	3	0	0	55	1	0	0	0	0	0	0	
3	0	0	0	0	24	0	138	0	0	0	0	73	0	0	71	14	0	0	0	0	0	0	
0	0	0	0	0	5	0	8	0	0	0	0	1	0	0	8	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	20	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	

0.5263458490371704

mean_absolute_percentage_error

416	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
198	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	0	0	0	0	0	0	0	0	7	0	0	2	0	0	22	0	0	0	0	0	0	0	
9	0	0	0	0	6	0	0	0	0	0	0	18	0	10	28	0	0	0	0	36	0	0	
121	0	0	0	0	0	1	0	0	35	0	0	6	0	1	49	0	0	0	0	1	0	0	
1	0	0	0	0	109	0	0	0	1	0	0	1	0	2	2	0	0	0	0	1	0	0	
0	0	0	0	0	0	474	0	178	0	0	0	0	0	0	4	1	0	0	0	0	0	0	
156	0	0	0	0	0	2	0	0	67	0	0	2	0	30	73	0	0	0	0	8	0	0	
2	0	0	0	0	0	140	0	327	0	0	0	4	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	95	0	0	0	0	0	2	0	0	0	0	0	0	0	
23	0	0	0	0	0	2	0	0	23	0	0	0	0	17	33	0	0	0	0	6	0	0	
300	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
46	0	0	0	0	0	8	0	34	15	0	0	144	0	5	30	1	0	0	0	8	0	0	
2	0	0	0	0	0	1	0	0	47	0	0	4	0	10	2	0	0	0	0	5	0	0	
5	0	0	0	0	0	1	0	2	2	0	0	1	0	81	3	9	0	0	0	7	0	0	
12	0	0	0	0	0	3	0	1	1	0	0	0	0	0	626	0	0	0	0	0	0	0	
1	0	0	0	0	1	1	0	1	0	0	0	0	0	35	1	42	0	0	0	201	0	0	
91	0	0	0	0	0	2	0	1	57	0	0	1	0	1	46	0	0	0	0	2	0	0	
29	0	0	0	0	3	0	0	0	28	0	0	4	0	13	31	0	0	0	0	5	0	0	
0	0	0	0	0	0	0	0	0	1	0	0	6	0	9	22	0	0	0	0	38	0	0	
35	0	0	0	0	0	0	0	0	2	0	0	3	0	13	6	0	0	0	0	264	0	0	
3	0	0	0	0	6	0	0	0	2	0	0	1	0	1	8	0	0	0	0	1	0	0	
4	0	0	0	0	0	0	0	0	21	0	0	0	0	0	1	0	0	0	0	0	0	0	

0.4903937578201294

mean_squared_logarithmic_error

416	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
0	131	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	87	0	0	0	
2	0	0	1	199	0	1	0	0	0	0	0	0	0	0	2	0	0	9	0	0	0	0	
0	0	0	6	0	99	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	8	0	
2	0	0	0	2	0	525	0	122	1	0	0	1	0	0	3	1	0	0	0	0	0	0	
2	0	0	0	1	0	2	327	1	0	0	0	1	0	2	0	0	1	0	0	0	0	1	
2	0	0	0	1	0	176	1	284	0	0	0	6	0	0	1	0	1	1	0	0	0	1	
2	0	1	0	1	0	0	1	0	84	0	0	0	0	0	1	0	1	0	0	0	0	7	
2	0	0	0	1	0	2	1	0	0	94	0	0	0	0	2	0	2	0	0	0	0	0	
132	0	0	0	1	0	3	1	0	0	0	168	0	0	0	0	0	0	0	0	0	0	1	
13	1	3	1	7	0	9	4	20	0	3	2	152	0	6	16	0	31	4	5	4	7	3	
1	0	0	0	0	0	1	0	0	3	1	0	0	58	1	1	0	4	1	0	0	0	0	
0	0	1	0	2	0	1	0	0	0	0	0	0	0	106	0	0	1	0	0	0	0	0	
8	0	0	0	6	0	4	3	0	0	0	0	1	0	0	617	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	0	0	5	1	74	1	1	0	197	0	0	
5	0	0	0	10	0	2	1	1	0	0	0	0	0	0	0	0	181	0	0	0	1	0	
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	7	97	0	0	5	0	
0	0	0	8	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	62	2	0	0	
2	21	0	0	1	1	0	1	0	1	0	0	4	2	8	5	1	3	1	1	270	0	1	
0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	18	0	
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	20	

0.7732546925544739

squared_hinge

410	0	0	0	1	0	3	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	0	0	197	0	0	0	0	0	0	0	0	2	0	0	
27	0	0	0	1	0	0	0	0	1	1	0	1	1	0	14	0	14	4	0	0	0	0	
3	0	0	0	8	2	0	12	0	0	0	0	0	0	28	16	0	14	4	0	20	0	0	
3	0	0	0	194	0	1	2	0	2	0	0	0	0	5	0	0	7	0	0	0	0	0	
0	0	0	0	0	101	0	0	0	0	0	0	1	0	0	3	0	3	8	0	1	0	0	
0	0	0	0	0	0	584	0	71	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	2	335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	225	1	239	0	0	0	2	0	2	1	0	3	0	0	0	0	0	
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	2	0	3	0	0	0	0	0	
1	0	0	0	0	0	2	1	0	0	99	0	0	0	0	0	0	1	0	0	0	0	0	
132	0	0	0	0	0	4	1	0	0	0	167	0	0	0	2	0	0	0	0	0	0	0	
14	0	0	0	23	0	9	6	33	0	3	3	112	0	20	19	0	38	8	0	3	0	0	
2	0	0	0	0	0	1	2	0	1	1	0	0	53	1	1	1	5	2	0	1	0	0	
2	0	0	0	2	0	3	2	0	0	0	0	0	0	100	0	2	0	0	0	0	0	0	
7	0	0	0	4	0	4	6	0	0	0	0	0	0	2	615	0	4	1	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	118	1	0	0	158	0	0	
5	0	0	0	11	0	3	1	0	1	1	0	0	0	2	0	0	176	1	0	0	0	0	
3	0	0	0	0	0	0	4	0	0	0	0	1	0	2	5	0	26	72	0	0	0	0	
0	0	0	0	4	0	0	1	0	0	0	0	0	3	11	9	0	1	5	0	42	0	0	
7	0	0	0	1	0	0	4	0	1	1	5	1	0	12	3	0	0	3	0	285	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	6	12	0	0	0	0	
3	0	0	0	2	0	0	2	0	7	0	0	0	0	4	0	0	7	1	0	0	0	0	

0.7133346199989319

hinge

410	0	0	0	0	0	3	2	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
180	0	0	0	0	0	1	2	1	0	0	0	3	0	0	2	0	0	0	0	11	0	0	
16	0	0	0	0	0	0	11	0	8	0	0	6	0	0	22	0	0	0	0	1	0	0	
3	0	0	0	0	2	0	5	0	0	0	0	22	0	0	6	0	0	0	0	69	0	0	
128	0	0	0	0	1	1	13	0	20	0	0	6	0	0	43	0	0	0	0	2	0	0	
1	0	0	0	0	99	0	4	0	4	0	0	1	0	0	2	0	0	0	0	6	0	0	
0	0	0	0	0	0	525	0	129	0	0	0	1	0	0	1	1	0	0	0	0	0	0	
3	0	0	0	0	0	2	328	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	156	1	306	0	0	0	10	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	97	0	0	0	0	0	1	0	0	0	0	0	0	0	
37	0	0	0	0	2	2	18	0	13	0	0	0	0	0	17	0	0	0	0	15	0	0	
299	0	0	0	0	0	4	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
26	0	0	0	0	0	10	11	24	6	0	0	181	0	0	20	1	0	0	0	12	0	0	
4	0	0	0	0	2	1	1	0	47	0	0	11	0	0	0	1	0	0	0	4	0	0	
9	0	0	0	0	0	2	6	1	4	0	0	1	0	0	1	36	0	0	0	51	0	0	
12	0	0	0	0	0	0	4	5	1	2	0	0	0	0	0	619	0	0	0	0	0	0	
1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	74	0	0	0	204	0	0	
84	0	0	0	0	0	2	21	1	53	0	0	3	0	0	35	0	0	0	0	2	0	0	
12	0	0	0	0	4	0	32	0	41	0	0	3	0	0	15	0	0	0	0	6	0	0	
0	0	0	0	0	1	0	0	0	1	0	0	3	0	0	4	0	0	0	0	67	0	0	
7	0	0	0	0	0	0	6	0	5	0	0	2	0	0	1	1	0	0	0	301	0	0	
3	0	0	0	0	2	0	2	0	7	0	0	1	0	0	6	0	0	0	0	1	0	0	
1	0	0	0	0	0	0	1	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.5592543482780457

categorical_hinge

414	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
0	117	0	0	1	0	0	1	1	0	0	76	1	0	0	0	0	0	0	0	2	0	1	
0	0	60	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	
1	0	0	47	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	57	1	0	0	
3	0	0	1	200	0	1	0	0	0	0	0	0	0	2	1	0	6	0	0	0	0	0	
0	0	0	5	0	101	0	0	0	0	1	0	0	0	0	0	0	1	4	0	1	4	0	
1	0	0	0	0	0	526	1	127	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
3	0	0	0	1	0	3	327	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	
1	0	0	0	0	0	169	1	293	0	1	0	6	0	0	0	0	1	0	0	1	0	1	
0	0	1	0	1	0	0	2	0	87	0	0	0	0	0	1	0	0	0	0	0	0	6	
1	0	0	0	1	0	2	3	0	0	94	0	0	1	0	1	0	1	0	0	0	0	0	
156	0	0	0	1	0	4	1	0	0	0	141	0	0	0	2	0	1	0	0	0	0	0	
9	1	2	0	5	0	11	4	31	1	4	2	111	0	5	13	0	67	6	5	2	3	9	
0	0	0	0	0	0	1	1	0	7	1	0	0	56	0	1	1	1	0	0	0	0	2	
0	0	0	0	3	0	2	0	0	0	0	0	0	0	99	0	3	2	0	0	0	0	2	
8	0	0	0	5	0	4	4	1	0	0	0	0	0	1	615	0	4	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	1	0	0	0	3	1	173	1	0	0	101	0	0	
5	0	0	0	28	0	2	1	1	2	0	0	0	0	0	0	0	161	1	0	0	0	0	
4	0	0	2	0	0	0	1	0	0	1	0	1	0	0	1	0	10	84	0	0	8	1	
0	0	0	23	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	45	3	0	0	
2	4	0	0	1	0	0	4	0	1	4	0	4	5	7	4	0	4	0	1	281	0	1	
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	1	0	0	15	0	
1	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	17	

0.7730644941329956

logcosh

415	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
0	28	0	0	0	0	0	0	0	0	0	171	1	0	0	0	0	0	0	0	0	0	0	
1	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	1	0	0	
4	0	0	1	200	0	0	0	0	2	0	0	0	0	2	1	0	4	0	0	0	0	0	
0	0	0	1	0	98	0	0	0	0	0	0	2	1	0	0	0	1	1	0	0	12	1	0
2	0	0	0	3	0	518	1	126	0	0	0	1	0	2	2	0	0	0	0	0	0	0	2
3	0	0	0	1	0	0	329	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	1
2	0	0	0	2	0	141	1	320	0	0	0	4	0	0	1	0	1	0	0	0	1	1	0
1	0	0	0	1	0	0	0	0	80	0	0	0	0	0	1	0	1	0	0	0	0	14	0
2	0	0	0	1	0	1	1	0	0	94	0	1	1	0	1	0	2	0	0	0	0	0	0
187	0	0	0	0	0	2	1	0	0	0	116	0	0	0	0	0	0	0	0	0	0	0	0
19	1	0	0	4	0	9	6	9	0	1	1	141	0	4	18	0	52	5	3	1	11	6	0
0	0	0	0	0	0	1	0	0	6	2	0	1	53	1	1	0	4	1	0	1	0	0	0
1	0	0	0	1	0	0	0	1	0	0	0	0	0	104	1	0	2	0	0	0	0	1	0
11	0	0	0	4	0	3	3	1	0	0	0	1	0	1	613	0	5	1	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	1	0	5	1	90	1	1	0	181	0	0	0
5	0	0	0	8	0	2	1	1	1	0	0	0	0	0	0	0	182	0	0	0	0	1	0
3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	4	0	4	93	0	0	4	3	0
0	0	0	3	0	0	0	0	0	0	0	0	3	2	0	1	0	0	0	63	3	0	1	0
2	9	2	0	0	0	0	2	0	4	1	4	4	1	4	4	0	6	1	1	273	0	5	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	2	1	0	0	16	0	0
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	21	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.7460528612136841

categorical_crossentropy

414	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	
0	103	0	0	1	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	
1	0	0	15	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	87	2	0	0	
2	0	0	0	205	0	1	1	0	1	1	0	0	0	1	0	0	2	0	0	0	0	0	
0	0	0	3	0	99	0	0	0	0	0	0	2	0	0	0	0	1	2	0	1	9	0	
0	0	0	0	1	0	607	1	40	1	0	0	0	0	1	4	0	0	1	0	0	0	1	
1	0	0	0	0	0	0	331	0	2	0	0	0	0	2	0	0	0	0	0	0	0	2	
1	0	1	0	0	0	287	1	177	0	0	0	6	0	0	1	0	0	0	0	0	0	0	
0	0	1	0	1	0	0	0	0	85	0	0	0	0	0	1	0	1	0	0	0	0	9	
1	0	0	0	1	0	0	0	0	0	101	0	1	0	0	0	0	0	0	0	0	0	0	
126	0	1	0	1	0	3	1	0	0	0	171	0	0	0	2	0	1	0	0	0	0	0	
10	1	0	0	5	0	13	10	38	0	7	2	133	0	5	25	0	22	4	3	2	4	7	
1	0	0	0	0	0	1	0	0	2	0	0	1	56	1	1	0	6	1	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	2	0	1	0	104	0	0	2	0	0	0	0	0	
11	0	0	0	5	0	4	6	1	1	1	0	2	0	0	610	0	1	1	0	0	0	0	
0	0	0	1	0	1	2	1	0	0	1	0	0	0	2	2	111	1	0	0	161	0	0	
5	0	0	0	16	0	0	1	0	0	0	0	0	0	0	0	0	178	1	0	0	0	0	
2	0	0	0	1	0	0	2	0	0	2	0	1	0	0	1	0	4	95	0	0	3	2	
0	0	0	4	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	63	2	0	1	
4	28	0	0	0	0	0	4	0	1	3	2	12	0	3	3	0	1	0	1	258	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	20	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	

0.765075147151947

kullback_leibler_divergence

415	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	
0	111	0	0	0	0	0	0	0	0	0	88	0	0	0	1	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	79	2	0	0
3	0	0	0	198	0	0	0	0	0	0	1	0	0	0	3	2	0	6	0	0	0	0	1
0	1	0	2	0	100	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	11	0
3	0	0	0	1	0	551	0	91	1	0	0	0	0	0	6	1	0	1	0	1	0	1	
2	0	0	0	1	0	0	326	0	0	0	0	1	0	4	2	0	0	0	0	0	0	2	
1	0	0	0	0	0	214	1	248	0	1	0	4	0	0	1	0	4	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	87	1	0	0	0	0	1	0	0	0	0	0	0	7	
0	0	0	0	1	0	0	0	0	0	102	0	0	0	0	1	0	0	0	0	0	0	0	
148	0	0	0	0	0	2	1	0	0	0	152	0	0	0	3	0	0	0	0	0	0	0	
13	1	4	2	6	1	8	1	36	0	4	2	136	0	13	16	0	34	5	0	0	4	5	
1	0	0	0	0	0	1	0	0	2	2	0	0	57	1	1	0	5	1	0	0	0	0	
1	0	0	0	1	0	0	0	0	0	1	0	0	0	107	0	0	1	0	0	0	0	0	
8	0	0	0	2	0	2	0	0	1	1	0	1	0	1	623	0	3	1	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	1	0	1	0	3	2	116	0	0	0	156	0	0	
5	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	189	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	4	98	0	0	5	1	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	3	0	1	
3	34	0	0	0	0	0	1	0	1	2	1	2	0	12	5	0	2	0	1	258	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	19	0	
1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	21	

0.7734449505805969

poisson

413	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	
0	143	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	23	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	79	3	0	0	
2	0	0	0	204	0	0	0	0	1	0	0	0	0	2	2	0	3	0	0	0	0	0	
0	0	0	4	0	97	0	2	0	0	1	0	1	0	1	0	0	0	6	0	0	4	1	
0	0	0	0	2	0	577	4	62	2	0	0	0	0	0	5	1	1	1	0	0	0	2	
1	0	0	0	0	0	0	334	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	
2	0	0	0	1	0	252	1	207	0	2	0	3	0	0	3	0	2	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	6	
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
113	0	0	0	1	0	3	1	0	0	0	184	0	0	0	3	0	0	1	0	0	0	0	
10	1	1	0	9	0	9	2	55	1	6	1	123	0	7	21	0	25	10	2	1	1	6	
0	0	0	0	0	0	1	3	0	1	1	0	0	59	1	2	0	1	1	0	0	0	1	
0	0	0	0	2	0	0	1	0	0	1	0	0	0	102	0	1	2	0	0	1	0	1	
7	0	0	0	2	0	2	8	0	0	0	0	0	0	1	621	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	0	0	4	1	130	0	2	0	142	0	0	
5	0	0	0	18	0	0	1	0	3	0	0	0	0	0	0	0	172	1	0	0	0	1	
2	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	0	1	103	0	0	2	1	
0	0	0	11	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	60	3	0	0	
1	21	0	0	0	0	0	8	0	2	2	0	4	1	8	3	1	0	2	1	267	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0	
0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	21	

0.7820049524307251

cosine_proximity

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	98	0	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	
0	0	59	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	
0	0	1	10	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	91	2	0	0	
2	0	0	0	206	0	1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	
0	0	0	1	0	98	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	12	1	
2	0	0	0	1	0	529	2	121	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
1	0	0	0	1	0	2	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	158	1	306	0	0	0	3	0	0	0	0	0	1	0	1	0	1	
0	0	0	0	1	0	0	1	0	89	0	0	0	1	0	1	0	0	0	0	0	0	5	
1	0	0	0	1	0	2	2	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	
139	0	0	0	0	0	2	1	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	
12	1	1	1	2	0	8	7	37	0	4	1	141	0	6	22	0	16	10	4	1	7	10	
0	0	0	0	0	0	1	2	0	3	2	0	0	58	1	1	0	2	0	0	1	0	0	
1	0	0	0	2	0	2	1	0	0	0	0	0	0	102	0	0	2	0	0	0	0	1	
9	0	0	0	4	0	4	7	1	1	0	0	0	0	0	610	0	6	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	0	0	5	0	84	1	0	0	190	0	0	
6	0	0	0	26	0	3	1	0	3	1	0	0	0	1	0	0	159	0	0	0	0	1	
3	0	0	0	0	1	0	2	0	1	1	0	1	0	0	0	0	3	93	0	0	5	3	
0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	69	3	0	0	
2	11	1	0	1	0	0	2	0	2	2	1	4	1	6	2	1	2	3	1	278	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	1	0	3	0	0	0	0	1	1	0	0	0	0	0	0	17	

0.7679284811019897

Adamax

mean_squared_error

413	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
0	110	0	0	0	0	1	0	1	0	0	87	0	0	0	1	0	0	0	0	0	0	0
0	0	59	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0
0	0	0	44	1	0	0	4	0	0	0	0	0	0	1	1	0	3	0	52	1	0	0
3	0	0	0	190	0	0	1	0	2	1	0	1	0	3	0	0	12	0	0	0	1	0
0	0	1	1	0	102	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	10	0
2	0	0	0	0	0	536	0	113	0	0	0	2	0	0	3	1	0	0	0	0	0	0
4	0	0	0	0	0	2	319	0	2	0	0	0	0	3	3	0	2	1	0	0	2	0
1	0	0	0	1	1	155	2	305	0	1	0	5	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	0	0	82	0	0	0	0	0	1	0	0	0	0	0	0	14
1	0	0	0	2	0	2	1	0	0	95	0	0	1	0	0	0	2	0	0	0	0	0
151	0	0	0	0	0	4	0	0	0	0	151	0	0	0	0	0	0	0	0	0	0	0
8	1	5	3	17	0	9	5	25	1	16	2	129	2	3	11	0	29	4	6	2	5	8
0	0	2	0	0	0	1	0	0	5	1	0	1	54	0	1	0	4	1	0	0	0	1
0	0	1	0	0	0	0	2	3	0	1	0	0	0	101	0	0	2	0	0	1	0	0
8	0	0	0	4	0	3	6	2	0	4	0	0	0	0	611	1	3	1	0	0	0	0
0	0	0	1	0	0	1	1	1	0	2	0	1	0	4	2	96	0	0	1	173	0	0
6	0	0	0	18	0	2	1	0	1	0	0	1	0	0	0	0	171	1	0	0	0	0
3	0	0	0	0	0	0	2	0	1	4	0	0	0	0	3	0	10	85	0	0	4	1
0	0	1	38	1	0	0	3	0	0	0	0	0	5	0	0	0	2	2	21	3	0	0
1	16	0	1	0	0	0	4	0	1	9	1	3	3	5	2	0	1	1	1	274	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	3	0	0	0	17	0
1	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	2	0	0	0	0	17

0.7574662566184998

mean_absolute_error

408	0	0	0	0	0	3	0	2	0	0	0	0	0	0	4	1	0	0	0	0	0	0
166	0	0	0	0	0	1	0	2	0	0	0	19	0	0	10	2	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	13	0	0	25	2	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	61	0	0	18	6	0	0	0	0	0	0
193	0	0	0	0	0	0	0	2	0	0	0	1	0	0	18	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	0	0	0	68	0	0	6	36	0	0	0	0	0	0
0	0	0	0	0	0	506	0	150	0	0	0	0	0	0	0	1	0	0	0	0	0	0
307	0	0	0	0	0	2	0	1	0	0	0	1	0	0	27	0	0	0	0	0	0	0
5	0	0	0	0	0	180	0	283	0	0	0	5	0	0	0	1	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0
95	0	0	0	0	0	2	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
270	0	0	0	0	0	4	0	3	0	0	0	11	0	0	18	0	0	0	0	0	0	0
70	0	0	0	0	0	7	0	28	0	0	0	163	0	0	22	1	0	0	0	0	0	0
27	0	0	0	0	0	1	0	0	0	0	0	15	0	0	12	16	0	0	0	0	0	0
67	0	0	0	0	0	1	0	2	0	0	0	1	0	0	2	38	0	0	0	0	0	0
7	0	0	0	0	0	2	0	2	0	0	0	5	0	0	626	1	0	0	0	0	0	0
2	0	0	0	0	0	1	0	1	0	0	0	10	0	0	1	268	0	0	0	0	0	0
183	0	0	0	0	0	2	0	1	0	0	0	0	0	0	15	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	1	0	0	15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	18	0	0	28	14	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	74	0	0	50	78	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.428761661052703 86

mean_absolute_percentage_error

410	1	0	0	0	0	5	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
91	102	0	0	0	0	2	1	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	52	0	4	0	0	1	0	0	4	0	0	0	0	0	0	0
0	4	0	0	0	0	0	55	0	0	0	0	10	7	0	4	0	0	0	0	27	0	0
19	1	0	0	0	0	2	173	0	11	0	0	1	0	0	6	0	0	0	0	1	0	0
0	5	0	0	0	0	0	12	0	0	0	0	45	42	0	0	0	0	0	0	13	0	0
0	0	0	0	0	0	651	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	3	299	0	5	0	0	0	0	0	12	0	0	0	0	0	0	0
0	0	0	0	0	0	450	4	0	0	0	0	19	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	11	0	76	0	0	1	0	0	3	0	0	0	0	0	0	0
4	0	0	0	0	0	2	91	0	1	0	0	0	0	0	6	0	0	0	0	0	0	0
267	30	0	0	0	0	6	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0
18	4	0	0	0	0	24	75	0	9	0	0	132	5	0	15	0	0	0	0	9	0	0
2	0	0	0	0	0	1	5	0	6	0	0	3	50	0	3	0	0	0	0	1	0	0
3	12	0	0	0	0	3	79	0	0	0	0	1	0	0	0	0	0	0	0	13	0	0
7	0	0	0	0	0	4	43	0	3	0	0	3	0	0	583	0	0	0	0	0	0	0
0	4	0	0	0	0	2	2	0	0	0	0	1	0	0	1	0	0	0	0	273	0	0
16	0	0	0	0	0	3	168	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0
8	1	0	0	0	0	0	91	0	5	0	0	2	0	0	6	0	0	0	0	0	0	0
0	3	0	0	0	0	0	36	0	0	0	0	4	10	0	8	0	0	0	0	15	0	0
2	34	0	0	0	0	0	50	0	0	0	0	4	13	0	1	0	0	0	0	219	0	0
1	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	9	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0

0.479741305112838 75

mean_squared_logarithmic_error

413	0	0	0	1	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
0	134	0	0	0	0	0	1	0	0	0	63	2	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0
0	0	1	18	2	0	0	1	0	0	0	0	0	0	0	2	0	0	0	82	1	0	0
4	0	0	0	200	0	1	1	1	1	0	0	0	0	0	1	0	4	0	0	0	1	0
0	0	0	1	0	98	0	1	0	0	0	0	3	0	0	0	0	1	8	0	0	5	0
1	0	0	0	0	0	536	0	119	0	0	0	0	0	0	0	1	0	0	0	0	0	0
5	0	0	0	1	0	2	315	1	4	1	0	0	0	2	5	0	0	1	0	0	0	1
2	0	0	0	0	0	160	1	305	0	0	0	4	0	0	0	0	0	1	0	0	0	1
0	0	0	0	1	0	0	0	0	81	0	0	0	0	0	1	0	0	0	0	0	0	15
2	0	0	0	2	0	2	2	0	1	90	0	0	0	0	1	0	3	0	0	1	0	0
124	0	0	0	0	0	4	1	0	0	0	176	0	0	0	1	0	0	0	0	0	0	0
11	1	2	5	5	0	9	14	43	1	7	2	128	0	4	23	1	14	4	4	2	5	6
0	0	0	0	0	0	1	0	0	2	1	0	3	51	1	2	0	7	1	0	0	0	2
1	0	0	0	2	0	0	3	3	0	0	0	0	0	0	96	0	4	2	0	0	0	0
9	0	0	0	2	0	3	2	1	0	1	0	0	0	1	621	1	1	1	0	0	0	0
0	0	0	1	0	0	1	2	1	0	1	0	1	0	3	1	139	0	1	1	131	0	0
5	0	0	0	11	0	2	1	1	2	0	0	0	0	0	0	0	178	1	0	0	0	0
3	0	0	0	0	0	0	3	0	1	1	0	1	0	0	3	0	3	91	0	0	7	0
0	0	0	8	1	0	0	0	0	0	0	0	0	2	0	2	0	0	0	61	2	0	0
4	29	0	0	0	0	0	3	0	3	3	1	4	1	6	5	1	1	2	1	258	0	1
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	1	3	0	0	14	0
2	0	0	0	1	0	0	1	0	3	0	0	0	0	0	0	0	2	0	0	0	0	17

0.7761080265045166

squared_hinge

411	1	0	0	0	0	2	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0
0	129	0	0	0	0	0	0	1	0	0	70	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	17	0	1	2	0	5	5	0	10	0	18	2	0	3	0	0
2	1	0	0	0	11	0	7	0	0	3	0	12	3	0	14	0	2	18	0	34	0	0
4	0	0	0	0	0	2	5	0	1	7	0	1	0	0	4	0	189	0	0	1	0	0
0	0	0	0	0	99	0	1	0	0	0	0	2	0	0	0	0	3	11	0	1	0	0
1	0	0	0	0	0	506	0	147	0	0	0	0	0	0	2	1	0	0	0	0	0	0
9	0	0	0	0	0	3	312	1	2	1	0	0	0	0	6	0	1	2	0	1	0	0
1	0	0	0	0	0	151	1	310	0	1	1	7	0	0	1	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	1	0	2	0	0	0	0	0
1	0	0	0	0	1	2	1	0	0	94	0	0	1	0	2	0	2	0	0	0	0	0
93	1	0	0	0	0	4	0	0	0	0	206	0	0	0	0	0	1	1	0	0	0	0
8	1	0	0	0	0	10	4	35	1	10	2	131	5	0	17	1	51	11	0	4	0	0
1	0	0	0	0	0	1	0	0	4	1	0	1	59	0	1	0	3	0	0	0	0	0
1	0	0	0	0	0	1	5	1	0	4	0	2	0	0	0	26	3	0	0	68	0	0
7	0	0	0	0	0	4	2	0	1	0	0	0	0	0	623	1	4	1	0	0	0	0
0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	107	2	0	0	171	0	0
5	0	0	0	0	0	2	1	1	5	0	0	0	0	0	1	0	185	1	0	0	0	0
3	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	0	7	98	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0	0	2	8	0	6	0	0	4	0	54	0	0
2	15	0	0	0	0	0	4	0	1	9	0	13	8	0	2	0	4	2	0	263	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	8	13	0	0	0	0
3	0	0	0	0	0	0	7	0	6	0	0	0	0	0	0	0	9	1	0	0	0	0

0.690127432346344

hinge

409	0	0	0	0	0	4	0	1	0	0	0	0	0	0	3	0	0	0	0	1	0	0
187	0	0	0	0	0	1	0	1	0	0	0	2	0	0	7	0	0	0	0	2	0	0
39	0	0	0	0	2	0	0	0	0	0	0	6	0	0	15	0	0	0	0	2	0	0
35	0	0	0	0	9	0	0	0	0	0	0	9	0	0	25	0	0	0	0	29	0	0
198	0	0	0	0	0	2	0	0	0	0	0	1	0	0	12	0	0	0	0	1	0	0
9	0	0	0	0	101	0	0	0	0	0	0	1	0	0	2	0	0	0	0	4	0	0
0	0	0	0	0	0	559	0	97	0	0	0	0	0	0	1	0	0	0	0	0	0	0
307	0	0	0	0	0	3	0	1	0	0	0	0	0	0	23	0	0	0	0	4	0	0
5	0	0	0	0	0	214	0	253	0	0	0	2	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0
84	0	0	0	0	1	2	0	0	0	0	0	0	0	0	15	0	0	0	0	2	0	0
281	0	0	0	0	1	4	0	3	0	0	0	3	0	0	10	0	0	0	0	4	0	0
101	0	0	0	0	1	9	0	28	0	0	0	119	0	0	30	0	0	0	0	3	0	0
27	0	0	0	0	3	1	0	0	0	0	0	6	0	0	10	0	0	0	0	24	0	0
65	0	0	0	0	0	2	0	1	0	0	0	0	0	0	4	0	0	0	0	39	0	0
9	0	0	0	0	0	4	0	1	0	0	0	1	0	0	628	0	0	0	0	0	0	0
3	0	0	0	0	1	1	0	1	0	0	0	0	0	0	3	0	0	0	0	274	0	0
180	0	0	0	0	0	2	0	1	0	0	0	0	0	0	18	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	1	0	0	15	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	2	0	0	21	0	0	0	0	46	0	0
53	0	0	0	0	0	0	0	0	0	0	0	4	0	0	15	0	0	0	0	251	0	0
21	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

0.4413163363933563

categorical_hinge

412	0	0	0	0	0	2	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0
0	92	0	1	0	0	0	0	1	0	0	106	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	2	84	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	15	3	0	0
3	0	0	0	194	0	1	0	0	0	0	0	0	0	4	1	0	11	0	0	0	0	0
0	0	0	1	0	108	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	0
0	0	0	0	0	0	539	0	111	0	1	0	3	0	0	3	0	0	0	0	0	0	0
2	0	0	0	0	0	3	329	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0
1	0	2	0	0	0	174	1	285	0	1	0	9	0	0	1	0	0	0	0	0	0	0
1	0	1	0	1	0	0	1	0	91	0	0	0	0	0	1	0	2	0	0	0	0	0
2	0	0	0	1	0	2	1	0	1	90	0	0	0	0	2	0	5	0	0	0	0	0
122	0	1	0	1	0	4	1	0	0	0	177	0	0	0	0	0	0	0	0	0	0	0
11	1	17	3	4	0	9	2	31	0	19	2	131	1	6	10	0	33	2	6	3	0	0
0	0	0	0	0	0	1	0	0	8	2	0	0	56	1	0	0	2	0	0	1	0	0
2	0	0	0	1	0	1	0	2	0	2	0	0	0	100	1	2	0	0	0	0	0	0
8	0	0	1	5	0	4	3	0	0	1	0	0	0	1	616	0	3	0	1	0	0	0
1	4	0	1	0	0	1	0	1	0	0	0	2	0	3	1	147	1	0	0	121	0	0
5	0	0	0	29	0	2	1	1	0	1	0	0	0	1	1	0	159	1	0	0	0	0
5	0	0	2	0	3	0	2	0	3	3	0	1	0	0	2	0	13	76	1	0	2	0
0	0	0	42	0	0	0	0	0	0	0	1	1	5	0	0	0	1	0	23	3	0	0
1	11	0	1	0	0	0	2	0	1	9	3	2	0	6	1	0	3	0	0	283	0	0
0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	10	6	0	0	3	0
3	0	0	0	1	0	0	2	0	13	1	0	0	0	0	0	0	5	1	0	0	0	0

0.7715427279472351

logcosh

414	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
0	101	0	0	0	0	0	0	0	0	0	97	1	0	0	0	0	0	0	1	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
0	0	0	44	0	0	0	2	0	0	0	0	0	0	0	2	0	0	56	2	1	0	0
3	0	0	1	194	0	0	1	1	2	0	0	0	0	4	1	0	7	0	0	0	0	0
0	0	1	11	0	96	0	0	0	0	0	0	2	0	0	0	0	1	3	0	1	2	0
0	0	0	0	2	0	556	0	95	0	0	0	1	0	0	2	1	0	0	0	0	0	0
2	0	0	0	1	0	2	326	0	2	1	0	0	0	2	1	0	0	0	0	0	0	1
1	0	0	0	3	0	200	1	260	0	1	0	5	0	0	0	0	0	1	0	1	0	1
0	0	0	0	1	0	0	0	0	87	0	0	0	1	0	1	0	2	0	0	0	0	6
2	0	0	0	2	0	2	3	0	1	91	0	0	0	0	1	0	2	0	0	0	0	0
125	0	0	0	0	0	4	1	0	0	0	174	0	0	0	2	0	0	0	0	0	0	0
25	1	1	1	5	2	10	18	14	0	14	3	126	0	3	27	0	16	3	4	5	7	6
0	0	0	0	0	0	1	1	0	7	1	0	1	51	0	1	0	4	2	0	1	0	1
1	0	1	0	1	0	2	2	1	0	1	0	0	0	98	0	1	1	0	0	1	0	1
11	0	0	0	2	0	4	7	0	0	0	0	0	0	0	616	0	1	1	0	1	0	0
0	0	0	1	0	0	1	1	1	0	2	0	0	0	3	1	128	0	0	0	145	0	0
5	0	0	0	11	0	1	1	1	0	0	0	0	0	0	0	0	181	0	0	0	0	1
3	0	0	0	1	0	5	0	1	2	0	1	0	0	0	0	0	5	85	0	0	9	1
0	0	0	11	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	55	3	1	0
3	18	0	0	1	0	0	8	0	1	1	1	1	1	7	3	0	2	0	1	274	0	1
1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	18	0
2	0	0	0	1	0	0	3	0	2	0	0	0	0	0	0	0	2	0	0	0	0	16

0.7709720134735107

categorical_crossentropy

412	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	2
0	66	0	0	0	0	0	0	1	0	0	130	0	0	1	2	0	0	0	0	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	36	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	66	2	0	0
2	0	0	1	190	0	0	1	0	2	0	0	0	0	4	0	0	14	0	0	0	0	0
0	0	0	10	1	98	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	3	1
4	0	0	0	1	0	536	2	102	2	0	0	0	0	0	6	1	2	0	0	0	0	1
3	0	0	0	0	0	0	332	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
2	0	0	0	1	0	187	2	272	0	2	0	3	0	0	2	0	1	0	0	0	0	2
0	0	0	0	0	0	0	1	0	88	0	0	0	0	0	1	0	0	0	0	0	0	8
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	3	1	0	0	0	165	0	0	0	2	0	0	0	0	0	0	0
18	1	6	2	9	0	10	8	37	2	8	1	102	0	8	20	0	43	4	2	0	4	6
1	0	0	0	0	0	1	0	0	4	2	0	0	56	1	1	0	3	1	0	0	1	0
1	0	0	0	2	0	0	0	1	0	0	0	0	0	105	0	0	0	0	0	0	0	2
8	0	0	0	2	0	3	6	0	0	0	0	1	0	0	620	0	2	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	1	0	4	2	122	2	0	0	149	0	0
5	0	0	0	24	0	1	1	0	1	0	0	0	0	0	1	0	167	0	0	0	0	1
3	0	0	1	0	0	0	1	0	0	0	0	1	0	0	2	0	8	84	0	0	11	2
0	0	0	18	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	48	3	4	0
4	7	4	0	0	0	0	2	0	2	2	2	7	0	14	7	0	0	1	2	267	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	17	0
0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	22

0.7553737759590149

kullback_leibler_divergence

413	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
2	105	0	0	0	0	0	0	0	0	0	92	0	0	0	1	0	0	0	0	0	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	38	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	65	1	0
4	0	0	1	193	0	0	1	0	2	0	0	0	0	0	2	1	0	10	0	0	0	0
0	0	2	4	0	100	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	6	0
0	0	0	0	3	0	498	2	143	1	0	0	0	1	0	6	1	0	0	0	1	0	1
5	0	0	0	1	0	0	325	0	2	1	0	1	0	2	1	0	0	0	0	0	0	0
2	0	0	0	1	0	165	3	297	0	3	0	2	0	0	1	0	0	0	0	0	0	0
1	0	1	0	1	0	0	1	0	87	0	0	0	0	0	1	0	0	0	0	0	0	6
1	0	0	0	1	0	0	3	0	1	95	0	0	1	0	0	0	2	0	0	0	0	0
123	0	0	0	1	0	3	1	0	0	0	177	0	0	0	1	0	0	0	0	0	0	0
24	1	3	2	7	0	7	8	25	2	13	1	142	0	7	19	0	19	2	3	0	5	1
0	0	0	0	0	0	1	1	0	3	2	0	1	57	1	1	0	3	1	0	0	0	0
1	0	0	0	1	0	0	1	0	0	1	0	0	0	104	0	0	1	0	0	0	0	2
10	0	0	0	3	0	3	5	0	0	1	0	0	0	0	619	0	1	1	0	0	0	0
0	0	0	1	0	0	1	2	1	0	1	0	1	0	3	0	131	0	0	0	142	0	0
7	0	0	0	30	0	0	1	0	3	0	0	0	0	0	0	0	159	0	0	0	0	1
2	0	0	0	0	0	0	4	0	1	3	0	1	0	0	0	0	7	93	0	0	2	0
0	0	0	8	0	0	0	0	0	0	0	0	0	4	0	0	0	1	2	55	6	0	0
3	30	0	0	0	0	0	3	0	2	6	0	3	1	9	3	1	0	2	1	257	0	2
2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	15	0
1	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1	1	0	0	0	18

0.7686893939971924

poisson

411	0	0	0	1	0	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	1
0	113	0	0	0	0	0	0	1	0	0	85	0	0	0	0	0	0	0	0	1	0	0
0	0	57	0	0	0	0	2	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0
0	0	0	39	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	64	1	0	0
4	0	0	1	195	0	0	2	0	1	0	0	0	0	2	1	0	7	0	0	1	0	0
0	0	1	6	0	96	0	1	0	0	0	0	2	0	0	0	0	0	7	0	1	3	0
2	0	0	0	1	0	523	2	121	0	1	0	0	0	0	4	1	0	0	0	1	0	1
3	0	0	0	1	0	2	317	0	1	0	0	0	0	2	8	0	1	1	0	0	0	2
1	0	1	0	1	0	184	2	280	0	1	0	1	0	0	1	0	1	0	0	1	0	0
0	0	0	0	0	0	0	1	0	80	0	0	0	1	0	1	0	2	0	0	0	0	13
4	0	0	0	1	0	2	1	0	1	91	0	0	0	0	2	0	2	0	0	0	0	0
102	1	0	0	0	0	4	1	0	0	0	195	0	0	0	2	0	0	0	0	1	0	0
14	1	4	0	36	0	11	3	51	0	7	2	93	3	5	18	0	31	2	4	2	4	0
1	0	1	0	0	0	1	1	0	1	2	0	0	56	1	4	0	1	0	0	0	0	2
1	0	1	0	2	0	0	2	1	0	1	0	0	0	100	0	0	0	0	0	2	0	1
8	0	0	0	3	0	3	7	0	1	1	0	0	0	0	615	1	2	1	0	0	0	1
0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	4	1	0	0	1	0
5	0	0	0	46	0	1	2	1	2	0	0	0	0	0	0	0	143	1	0	0	0	0
2	0	0	0	0	0	0	6	1	0	1	0	0	0	0	1	0	5	95	0	0	1	1
0	0	1	9	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	61	3	0	0
9	12	0	0	0	0	0	6	0	0	4	7	3	0	5	7	0	0	0	1	269	0	0
0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0	1	3	0	0	14	0
1	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	19

0.7557542324066162

cosine_proximity

408	0	0	0	1	0	2	1	0	0	0	3	0	0	2	1	0	0	0	0	0	0	0
0	150	0	0	0	0	0	0	0	0	0	49	1	0	0	0	0	0	0	0	0	0	0
1	0	60	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0
0	0	0	37	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	66	1	0	0
2	0	0	1	200	0	0	1	1	1	0	0	0	0	2	1	0	5	0	0	0	0	0
0	0	1	8	0	93	0	2	0	0	0	0	2	1	0	0	0	1	2	0	1	6	0
0	0	0	0	2	0	561	0	91	0	0	0	1	0	0	1	1	0	0	0	0	0	0
3	0	0	0	1	0	3	320	0	1	1	0	0	0	5	2	0	1	1	0	0	0	0
0	0	0	0	1	0	227	2	235	0	1	0	6	0	0	0	0	0	1	0	1	0	0
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4
1	0	0	0	3	0	2	2	0	0	93	0	0	0	0	0	0	3	0	0	0	0	0
66	0	0	0	0	0	4	1	0	0	0	234	0	0	0	1	0	0	0	0	0	0	0
10	1	3	2	7	0	9	9	23	1	8	5	138	1	3	23	0	28	3	6	3	4	4
0	0	0	0	0	0	1	2	0	3	3	0	2	53	0	1	0	5	1	0	0	0	0
1	0	0	0	2	0	1	1	2	0	0	0	0	0	101	1	2	0	0	0	0	0	0
8	0	0	0	4	0	3	2	2	2	1	1	1	0	0	615	0	2	1	0	1	0	0
0	0	0	1	0	0	1	1	1	0	1	0	0	0	2	0	130	0	0	1	145	0	0
6	0	0	0	20	0	2	0	0	1	0	0	0	0	0	0	0	171	0	0	0	0	1
3	0	0	2	0	0	0	2	0	0	1	0	1	0	0	2	0	5	93	0	0	2	2
0	0	0	5	0	0	0	0	1	0	0	0	2	1	0	1	0	0	0	62	4	0	0
2	37	0	0	1	0	0	3	1	3	2	1	2	0	11	5	1	0	0	1	253	0	0
0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	1	0	0	15	0
2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	2	0	0	0	0	19

0.7858093976974487

Nadam

mean_squared_error

415	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
0	123	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	87	0	0	0	0
2	0	0	0	205	0	0	0	0	0	0	0	0	0	1	2	0	4	0	0	0	0	0	0
0	0	0	3	0	100	0	3	0	0	0	0	0	0	0	0	1	3	2	0	5	0		
4	0	0	0	1	0	541	5	93	1	0	0	1	0	1	7	0	0	1	0	0	0	2	
1	0	0	0	1	0	0	334	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	
3	0	0	0	2	0	177	1	278	0	0	0	5	0	1	5	0	0	1	0	0	0	1	
1	0	0	0	1	0	0	1	0	83	0	0	0	0	0	1	0	0	1	0	0	0	10	
0	0	0	0	0	0	0	1	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
155	0	0	0	0	0	1	1	0	0	0	148	0	0	0	1	0	0	0	0	0	0	0	
12	1	0	0	2	0	6	4	11	0	2	1	159	0	10	32	1	14	20	0	0	7	9	
0	0	0	0	0	0	1	2	0	0	0	0	1	57	1	2	0	4	2	0	0	0	1	
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
8	0	0	0	2	0	1	4	0	0	0	0	0	0	1	624	0	1	2	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	3	5	96	0	0	0	176	0	0	
5	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	189	0	0	0	0	1	
3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	1	103	0	0	1	1	
0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	71	1	0	0	
3	22	0	0	1	0	0	2	0	1	0	1	2	1	6	7	1	1	3	1	269	1	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	22	

0.7846680879592896

mean_absolute_error

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	

0.12231310456991196

mean_absolute_percentage_error

412	0	0	0	0	0	4	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
181	0	0	0	0	0	1	1	2	0	0	0	5	0	0	10	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	18	0	8	0	0	0	0	0	37	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	2	0	0	0	0	12	0	0	86	0	0	0	0	0	0	0	
48	0	0	0	0	0	2	13	1	39	0	0	17	0	0	94	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	4	1	6	0	0	33	0	0	72	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	577	0	76	0	0	0	0	0	4	0	0	0	0	0	0	0	
2	0	0	0	0	0	3	331	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	204	1	264	0	0	0	4	0	0	1	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	2	0	94	0	0	0	0	0	1	0	0	0	0	0	0	
13	0	0	0	0	0	2	18	0	11	0	0	3	0	0	57	0	0	0	0	0	0	0	
298	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
15	0	0	0	0	0	10	5	46	16	0	0	128	0	0	71	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	1	0	45	0	0	2	0	0	22	0	0	0	0	0	0	0	
49	0	0	0	0	0	2	2	1	8	0	0	8	0	0	41	0	0	0	0	0	0	0	
9	0	0	0	0	0	4	2	0	1	0	0	0	0	0	627	0	0	0	0	0	0	0	
1	0	0	0	0	0	2	5	0	8	0	0	152	0	0	115	0	0	0	0	0	0	0	
25	0	0	0	0	0	2	24	1	68	0	0	15	0	0	66	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	35	0	23	0	0	4	0	0	40	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	8	0	0	23	0	0	45	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	9	1	29	0	0	96	0	0	179	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	2	0	2	0	0	2	0	0	15	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	2	0	20	0	0	0	0	0	3	0	0	0	0	0	0	0	

0.462811499834060 67

mean_squared_logarithmic_error

416	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
0	97	0	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	1	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	102	1	0	0	
2	0	0	0	205	0	0	0	0	0	0	0	0	0	0	1	1	0	5	0	0	0	0	
0	0	0	1	0	106	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	7	0	
2	0	0	0	2	0	506	3	132	1	0	0	0	0	0	6	1	2	1	0	0	0	1	
3	0	0	0	1	0	0	333	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
1	0	0	0	0	0	144	1	319	0	0	0	6	0	0	2	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	1	0	0	0	0	4	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
110	0	0	0	1	0	2	1	0	0	0	189	0	0	0	3	0	0	0	0	0	0	0	
8	1	0	0	3	0	8	1	26	0	2	1	166	0	4	24	0	31	5	1	0	4	6	
1	0	0	0	0	0	1	0	0	1	1	0	0	60	0	5	0	1	0	0	0	0	1	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	104	0	1	2	0	0	1	0	0	
8	0	0	0	4	0	0	1	1	0	0	0	0	0	1	626	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	0	0	2	3	92	1	0	0	181	0	0	
4	0	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	189	0	0	0	0	1	
2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	0	3	100	0	0	2	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	70	1	0	0		
2	9	1	0	1	0	0	2	1	1	1	1	2	2	3	5	0	4	0	1	283	0	4	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	20	

0.7907552123069763

squared_hinge

413	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	
0	0	0	0	0	0	0	1	0	0	0	195	1	0	0	1	0	0	0	0	2	0	0	
0	0	60	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	100	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5	0	0	
2	0	0	0	199	0	1	0	0	1	1	0	0	0	2	0	0	8	0	0	0	0	0	
0	0	0	9	0	98	0	0	0	0	0	0	1	0	0	0	0	2	6	0	1	0	0	
2	0	0	0	0	0	532	2	111	1	2	0	0	0	1	5	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	332	0	1	0	0	0	0	2	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	137	1	328	0	0	0	4	0	0	1	0	0	0	0	1	0	0	
0	0	0	0	0	0	0	1	0	92	0	0	0	0	0	1	0	1	0	0	0	0	3	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
122	0	0	0	1	0	3	1	0	0	0	175	0	0	0	3	0	0	0	0	0	0	1	
5	0	0	3	4	0	10	5	16	0	17	3	157	0	10	17	0	17	13	0	9	0	5	
0	0	0	0	0	0	1	0	0	4	3	0	0	57	1	1	0	4	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	109	0	0	1	0	0	0	0	0	
5	0	0	0	4	0	1	4	0	0	1	0	1	0	0	620	0	6	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	2	0	1	0	2	0	37	0	0	0	238	0	0	
4	0	0	0	2	0	1	1	0	0	1	0	0	0	0	0	0	191	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	4	102	0	0	0	2	
0	0	0	64	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	10	0	0	
2	0	0	0	0	0	0	4	0	2	3	0	2	0	6	0	0	1	1	0	300	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	12	0	0	0	0	
0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	21	

0.7656458020210266

hinge

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.124976225197315 22

categorical_hinge

415	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	81	0	0	0	0	0	0	0	0	0	119	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
1	0	0	18	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	84	0	0	0	0
2	0	0	0	200	0	1	0	0	1	0	0	0	0	0	1	0	8	0	0	1	0	0	0
0	0	1	4	0	101	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	7	0	
0	0	0	0	0	0	585	1	67	0	0	0	1	0	0	2	0	1	0	0	0	0	0	
1	0	0	0	0	0	3	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	238	1	225	0	0	0	4	1	0	1	0	1	0	0	1	0	0	
0	0	0	0	1	0	0	2	0	92	0	0	0	0	0	1	0	1	1	0	0	0	0	
2	0	0	0	1	0	2	0	0	0	97	0	0	1	0	0	0	1	0	0	0	0	0	
147	0	0	0	1	0	4	1	0	0	0	152	0	0	0	0	0	1	0	0	0	0	0	
5	1	2	2	2	0	11	2	36	0	1	1	122	3	5	11	0	68	6	4	1	8	0	
0	0	0	0	0	0	1	0	0	4	0	0	0	59	1	1	0	5	0	0	0	0	0	
0	0	0	0	1	0	3	2	0	0	0	0	0	0	102	0	0	3	0	0	0	0	0	
10	0	0	0	4	0	3	6	1	0	0	0	2	0	0	611	0	5	1	0	0	0	0	
0	0	0	1	0	0	2	2	0	0	0	0	0	0	3	2	118	2	0	0	153	0	0	
7	0	0	0	9	0	3	1	0	3	0	0	0	0	0	0	0	177	1	0	0	0	0	
3	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	6	96	0	0	5	0	
0	0	1	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	64	1	0	0	
1	10	2	0	1	1	0	6	0	2	0	0	12	14	5	3	0	3	1	1	260	1	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	19	0	
1	0	0	0	1	0	0	2	0	16	0	0	0	0	0	0	0	4	2	0	0	0	0	

0.7587977647781372

logcosh

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	100	0	0	1	0	0	0	0	0	1	97	1	0	0	0	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	1	0	0	47	1	0	0		
2	0	0	0	206	0	0	0	0	0	1	0	0	0	1	0	0	4	0	0	0	0		
0	0	0	1	0	104	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	9	0	
3	0	0	0	4	0	513	1	122	1	3	0	1	0	1	5	0	1	1	0	0	0	1	
3	0	0	0	1	0	0	327	0	0	2	0	0	0	2	0	0	1	1	0	0	1	0	
2	0	0	0	0	0	138	3	317	0	3	0	7	0	1	1	0	1	0	0	0	0	1	
1	0	0	0	1	0	0	1	0	86	1	0	0	0	0	1	0	1	2	0	0	0	4	
0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	
222	0	0	0	0	0	1	0	0	0	0	82	0	0	0	1	0	0	0	0	0	0	0	
7	1	0	1	7	0	6	3	7	0	7	1	167	0	15	13	0	33	14	0	0	8	1	
0	0	0	0	0	0	1	0	0	3	4	0	0	59	0	1	0	2	1	0	0	0	0	
0	0	0	0	2	0	0	0	0	0	2	0	1	0	104	0	1	1	0	0	0	0	0	
8	0	0	0	6	0	1	1	0	0	1	0	1	0	2	614	0	7	1	1	0	0	0	
0	0	0	1	0	0	1	0	1	0	2	0	1	0	6	1	146	0	0	0	124	0	0	
5	0	0	0	5	0	0	1	0	0	0	0	0	0	2	0	0	187	1	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	100	0	0	6	0	
0	0	0	55	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	18	0	0	0	
1	3	0	0	0	0	0	2	0	1	5	0	17	3	19	1	0	2	2	1	266	0	0	
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	21	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	4	1	0	0	0	17	

0.7753471732139587

categorical_crossentropy

414	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	133	0	0	0	0	0	0	0	0	0	66	0	0	0	1	0	0	0	0	0	0	0	
0	0	60	1	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	90	2	0	0	
2	0	0	0	205	0	0	1	0	0	1	0	0	0	1	1	0	3	0	0	0	0	0	
0	1	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	12	0	
1	0	0	0	3	0	573	3	68	1	0	0	0	0	1	5	0	0	1	0	0	0	1	
0	0	0	0	0	0	0	337	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	242	2	220	0	0	0	7	0	0	1	0	1	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	86	0	0	0	1	0	1	0	1	0	0	0	0	7	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
84	0	0	0	1	0	1	1	0	0	0	214	0	0	0	5	0	0	0	0	0	0	0	
4	1	0	1	2	0	11	7	29	0	4	2	166	0	4	21	0	22	4	0	2	5	6	
0	0	0	0	0	0	1	1	0	0	2	0	2	54	1	5	0	4	0	0	0	0	1	
0	0	0	0	2	0	0	2	0	0	0	0	0	0	104	1	0	2	0	0	0	0	0	
6	0	0	0	3	0	2	4	0	0	0	0	0	0	1	623	0	4	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	0	0	2	3	68	0	0	0	206	0	0	
3	0	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	190	1	0	0	0	0	
3	0	0	0	0	1	0	2	0	0	0	0	2	0	0	2	0	6	93	0	0	2	2	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	65	4	0	0	
4	19	0	0	1	0	0	6	0	0	0	0	5	0	5	5	0	4	1	1	270	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	18	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	22	

0.7858093976974487

kullback_leibler_divergence

408	0	0	0	0	0	0	3	0	1	0	1	0	0	1	2	0	0	0	0	0	0	2	
0	124	0	0	1	0	0	0	0	0	0	73	0	0	0	2	0	0	0	0	0	0	0	
0	0	58	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	
0	0	0	22	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	81	1	0	0	
2	0	0	0	198	0	2	0	0	1	2	0	0	0	3	2	0	2	0	0	1	0	1	
1	0	0	4	0	100	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	9	0	
0	0	0	0	1	0	593	5	49	1	0	0	1	1	0	3	1	0	1	0	0	0	1	
0	0	0	0	0	0	0	335	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	
1	0	0	0	0	0	257	2	204	0	1	0	2	0	1	0	0	2	1	0	1	0	2	
0	0	0	0	0	0	0	0	0	93	0	0	0	0	0	1	0	0	0	0	0	0	4	
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
81	0	0	0	1	0	0	1	0	1	0	211	0	0	0	8	0	1	0	0	0	0	2	
4	1	0	0	3	0	7	8	22	2	3	1	166	0	11	26	0	12	7	2	1	7	8	
0	0	0	0	1	0	1	0	0	3	2	0	0	55	1	2	0	6	0	0	0	0	0	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	106	1	0	1	0	0	0	0	0	
4	0	0	0	2	0	1	2	1	0	0	0	0	0	1	627	0	4	1	0	0	0	0	
0	1	0	1	0	0	2	0	0	0	1	0	0	0	1	3	125	0	0	0	149	0	0	
5	0	0	0	12	0	0	1	0	3	0	0	0	0	0	1	0	178	0	0	0	0	1	
2	0	0	0	0	0	0	1	0	2	0	0	0	0	2	3	0	3	96	0	0	3	1	
0	0	0	8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	64	2	0	0	
2	14	0	0	0	0	0	5	0	2	0	0	2	1	13	3	1	1	0	1	277	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	18	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	24	

0.7958911657333374

poisson

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	75	0	0	0	0	0	0	0	0	0	125	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	96	0	0	0	
2	0	0	0	207	0	0	0	0	0	0	0	0	0	3	1	0	0	0	1	0	0	0	
0	0	0	1	0	104	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	9	0	
2	0	0	0	3	0	524	2	118	1	0	0	0	0	0	4	1	0	1	0	0	0	1	
2	0	0	0	0	0	0	332	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	
1	0	0	0	0	0	156	1	310	0	0	0	4	0	0	1	0	0	0	0	1	0	0	
2	0	0	0	1	0	0	1	0	88	0	0	0	1	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
123	0	0	0	1	0	1	0	0	0	0	179	0	0	0	2	0	0	0	0	0	0	0	
11	1	1	0	6	0	7	3	33	0	2	1	165	0	11	14	0	14	8	7	1	2	4	
1	0	0	0	1	0	1	1	0	1	2	0	0	59	0	2	0	2	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	1	0	0	0	106	0	1	2	0	0	0	0	0	
10	0	0	0	2	0	0	5	2	0	1	0	1	0	1	618	0	3	0	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	1	0	3	4	106	0	0	0	165	0	0	
6	0	0	0	25	0	0	1	0	1	0	0	0	0	0	1	0	166	0	0	0	0	1	
4	0	0	0	0	2	0	1	0	0	0	0	1	0	1	3	0	3	97	0	0	1	0	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	70	0	0	0	
4	35	1	0	2	1	0	4	0	0	1	1	5	2	8	6	0	1	0	1	250	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	17	0	
2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7774395942687988

cosine_proximity

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	152	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	94	1	0	0	
2	0	0	0	198	0	1	0	1	2	0	0	0	0	4	1	0	5	0	0	0	0	0	
0	0	0	6	0	97	0	0	0	0	0	0	2	0	0	0	0	2	1	0	0	9	0	
3	0	0	0	1	0	568	1	74	2	1	0	1	0	1	4	0	0	0	0	0	0	1	
1	0	0	0	1	0	1	331	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	
2	0	0	0	0	0	226	0	237	0	1	0	3	0	0	1	0	0	2	0	1	0	1	
0	0	0	0	1	0	0	0	0	95	0	0	0	0	0	1	0	0	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
143	0	0	0	1	0	1	1	0	0	0	158	0	0	0	1	0	0	0	0	0	0	1	
4	1	0	1	2	0	10	1	24	0	8	1	138	0	14	25	0	38	8	1	1	4	10	
0	0	0	0	0	0	1	0	1	4	3	0	0	57	1	1	0	3	0	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	107	0	1	2	0	0	0	0	0	
7	0	0	0	5	0	2	4	0	1	0	0	0	0	1	621	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	3	0	1	0	4	1	124	0	0	0	147	0	0	
6	0	0	0	6	0	2	1	0	2	0	0	0	0	0	0	0	183	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	7	96	0	0	2	2	
0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	69	1	0	0	
1	23	0	0	0	0	0	0	0	4	2	0	2	1	10	2	1	1	1	1	273	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	21	0	
1	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	19	

0.7863800525665283

Kétrétegű, 32 szűrőt tartalmazó háló
RMSprop

mean_squared_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	80	0	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0
1	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	94	0	0	0	0
2	0	0	0	199	0	1	1	0	0	1	0	0	0	1	0	0	6	0	1	1	1	1	0
0	0	0	1	0	101	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	11	0	
3	0	0	0	1	0	565	2	78	1	0	0	0	0	0	5	1	0	0	0	0	0	1	
1	0	0	0	1	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	198	1	266	0	0	0	1	0	0	1	0	2	0	0	0	0	2	
1	0	0	0	1	0	0	1	0	87	0	0	0	0	0	1	0	1	0	0	0	0	6	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
167	0	0	0	0	0	2	1	0	0	0	135	0	0	0	0	0	0	1	0	0	0	0	
9	1	0	4	3	0	8	5	38	0	6	1	140	0	8	13	0	27	14	6	0	4	4	
1	0	0	0	0	0	1	0	0	1	0	0	1	60	0	1	0	3	1	0	0	0	2	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	107	0	0	1	1	0	1	0	0	
9	0	0	0	4	0	1	6	1	0	0	0	1	0	1	614	0	4	1	0	0	0	1	
0	0	0	1	0	0	2	0	1	0	2	0	0	0	2	0	77	0	2	0	196	0	0	
5	0	0	0	3	0	1	1	0	0	0	0	0	0	0	0	0	190	1	0	0	0	0	
4	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	101	0	0	2	2	
0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	73	0	0	0	
2	6	1	0	0	0	0	2	0	2	1	2	3	5	6	1	0	1	3	3	282	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21	

0.7692600488662272

mean_absolute_error

416	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
191	0	1	0	0	0	0	1	2	0	1	0	1	0	0	2	0	0	0	0	1	0	0	
0	0	61	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	89	0	0	0	3	0	0	0	0	0	1	0	5	0	8	0	0	1	0	0	
9	0	0	0	0	0	1	3	0	3	1	0	1	0	4	4	0	187	0	0	1	0	0	
0	0	1	2	0	104	0	0	0	0	0	0	0	0	0	0	0	1	9	0	0	0	0	
2	0	0	0	0	0	465	3	170	1	1	0	7	0	0	6	1	0	1	0	0	0	0	
1	0	0	0	0	0	0	335	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
2	0	1	1	0	0	134	4	320	1	1	0	8	0	0	2	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	95	0	0	0	0	0	1	0	1	0	0	0	0	0	
1	0	0	0	0	0	2	1	0	0	98	0	0	0	0	0	0	2	0	0	0	0	0	
303	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	2	8	0	0	7	5	23	1	1	0	151	0	5	14	0	53	9	0	0	0	0	
0	0	0	1	0	0	1	0	0	7	0	0	0	57	1	1	0	3	0	0	0	0	0	
2	0	0	0	0	0	0	2	3	0	0	0	1	0	102	0	0	1	0	0	0	0	0	
9	0	0	0	0	0	2	4	0	1	0	0	3	0	0	623	0	0	1	0	0	0	0	
0	0	0	2	0	0	1	0	1	0	0	0	0	0	5	1	109	1	0	0	163	0	0	
5	0	0	1	0	0	1	2	1	3	0	0	1	0	0	0	0	187	0	0	0	0	0	
3	0	0	2	0	0	0	0	0	1	0	0	1	0	0	2	0	8	96	0	0	0	0	
0	0	0	67	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	6	0	0	
3	0	2	14	0	0	0	2	0	3	0	0	6	4	9	7	0	2	0	0	271	0	0	
0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	18	0	0	0	0	
2	0	0	0	0	0	0	2	0	18	0	0	0	0	0	0	0	3	1	0	0	0	0	

0.6808065176010132

mean_absolute_percentage_error

414	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
189	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	7	0	0	
7	0	0	0	0	0	0	28	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	10	0	0	0	0	0	0	0	21	0	0	0	0	71	0	0	
44	0	0	0	0	0	1	46	3	0	0	0	2	0	0	109	1	0	0	0	8	0	0	
3	0	0	0	0	103	0	2	0	0	0	0	1	0	0	2	0	0	0	0	6	0	0	
0	0	0	0	0	0	483	1	168	0	0	0	0	0	0	4	1	0	0	0	0	0	0	
1	0	0	0	0	0	2	333	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	112	1	354	0	0	0	3	0	0	1	0	0	0	0	2	0	0	
11	0	0	0	0	0	0	61	1	0	0	0	0	0	0	20	0	0	0	0	5	0	0	
8	0	0	0	0	0	2	36	0	0	0	0	0	0	0	45	1	0	0	0	12	0	0	
302	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	8	16	40	0	0	0	124	0	0	41	1	0	0	0	32	0	0	
2	0	0	0	0	0	1	4	1	0	0	0	0	0	0	7	2	0	0	0	54	0	0	
2	0	0	0	0	0	1	10	2	0	0	0	1	0	0	8	38	0	0	0	49	0	0	
6	0	0	0	0	0	3	4	1	0	0	0	1	0	0	628	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	43	0	0	0	234	0	0	
25	0	0	0	0	0	2	84	1	0	0	0	0	0	0	81	0	0	0	0	8	0	0	
10	0	0	0	0	1	0	41	0	0	0	0	1	0	0	46	0	0	0	0	14	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0	0	68	0	0	
4	0	0	0	0	0	0	8	0	0	0	0	2	0	0	3	0	0	0	0	306	0	0	
1	0	0	0	0	0	0	3	0	0	0	0	1	0	0	15	0	0	0	0	2	0	0	
13	0	0	0	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	0	2	0	0	

0.5303404927253723

mean_squared_logarithmic_error

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	151	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	84	1	0	0	
2	0	0	0	197	0	0	0	0	2	2	0	0	0	1	2	0	7	0	0	0	1	0	
0	0	0	1	0	103	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	10	0	
1	0	0	0	1	0	508	2	136	1	0	0	0	0	0	6	1	0	0	0	0	0	1	
2	0	0	0	1	0	1	331	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	139	1	324	0	0	0	5	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	1	0	0	3	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
131	0	0	0	1	0	2	1	0	0	0	166	0	0	0	3	0	0	1	0	0	0	1	
5	1	0	2	2	0	6	2	19	0	2	1	173	0	7	26	0	21	10	1	3	3	7	
1	0	0	0	0	0	1	0	2	2	1	0	1	59	1	1	0	1	0	0	0	0	1	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	105	0	0	2	1	0	0	0	1	
8	0	0	0	3	0	2	3	0	0	0	0	0	0	1	623	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	3	2	87	1	0	0	186	0	0	
5	0	0	0	3	0	0	1	1	1	0	0	0	0	0	0	0	189	0	0	0	0	1	
2	0	0	1	0	0	0	0	2	0	0	0	1	0	0	1	0	4	99	0	0	2	1	
0	0	0	11	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	62	1	0	0	
2	17	1	0	0	0	0	1	0	2	2	0	3	4	6	2	0	1	1	2	276	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	19	0	
1	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	21	

0.7962716221809387

squared_hinge

415	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
0	0	0	0	1	0	1	1	1	0	0	195	1	0	0	0	0	0	0	0	0	0	0	
0	0	58	0	0	0	0	2	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	91	4	0	0	
2	0	0	0	208	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	
0	0	0	7	0	101	0	0	0	0	0	0	0	0	0	0	0	1	7	0	1	0	0	
2	0	0	0	1	0	555	3	88	1	1	0	0	0	1	4	0	0	0	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	222	2	242	0	0	0	5	0	0	1	0	0	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	1	0	0	0	2	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
257	0	0	0	1	0	3	1	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	1	3	0	10	4	26	1	1	2	164	0	7	18	0	29	7	4	1	0	2	
0	0	0	0	0	0	1	2	0	1	0	0	1	56	1	2	0	6	1	0	0	0	0	
0	0	0	0	2	0	1	2	0	0	0	0	0	0	103	0	0	2	0	0	0	0	1	
9	0	0	0	5	0	0	5	2	0	0	0	0	0	1	617	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	0	0	0	0	5	2	85	0	0	0	187	0	0	
5	0	0	0	3	0	1	1	0	2	0	0	0	0	0	0	0	188	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	2	103	0	0	0	1	
0	0	0	9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	64	2	0	0	
3	0	0	0	0	0	0	7	0	2	0	0	4	1	8	2	0	3	1	1	290	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	20	0	0	0	0	
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	21	

0.7331177592277527

hinge

412	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
190	0	0	0	0	0	1	0	1	0	0	0	1	0	0	4	0	0	0	0	3	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	0	0	0	12	0	0	56	0	0	0	0	38	0	0	
76	0	0	0	0	0	3	0	0	0	0	0	13	0	0	121	0	0	0	0	1	0	0	
0	0	0	0	0	106	0	0	0	0	0	0	1	0	0	8	0	0	0	0	2	0	0	
0	0	0	0	0	0	601	0	52	0	0	0	0	0	0	3	1	0	0	0	0	0	0	
130	0	0	0	0	0	3	0	1	0	0	0	16	0	0	180	2	0	0	0	6	0	0	
0	0	0	0	0	0	299	0	169	0	0	0	5	0	0	1	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	5	0	0	0	4	0	0	62	0	0	0	0	1	0	0	
34	0	0	0	0	0	2	0	0	0	0	0	3	0	0	61	0	0	0	0	4	0	0	
299	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
38	0	0	0	0	0	13	0	35	0	0	0	164	0	0	38	0	0	0	0	3	0	0	
4	0	0	0	0	1	1	0	2	0	0	0	24	0	0	31	0	0	0	0	8	0	0	
11	0	0	0	0	0	3	0	0	0	0	0	1	0	0	24	59	0	0	0	13	0	0	
6	0	0	0	0	0	0	4	0	0	0	0	0	0	0	633	0	0	0	0	0	0	0	
1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	5	126	0	0	0	149	0	0	
87	0	0	0	0	0	3	0	1	0	0	0	6	0	0	103	0	0	0	0	1	0	0	
26	0	0	0	0	7	0	0	0	0	0	0	9	0	0	70	0	0	0	0	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	36	0	0	0	0	38	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	6	0	0	22	1	0	0	0	268	0	0	
1	0	0	0	0	3	0	0	0	0	0	0	5	0	0	13	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	1	0	0	

0.4715617299079895

categorical_hinge

416	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	125	0	0	0	0	0	0	0	0	0	74	0	0	0	0	0	0	0	0	1	0	0	0
0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	102	0	0	0	0
2	0	0	0	172	0	1	0	0	1	0	0	0	0	0	0	0	37	0	0	1	0	0	0
0	0	0	4	0	100	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	9	0	0
1	0	0	0	0	0	535	0	118	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
2	0	0	0	0	0	3	331	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
1	0	0	0	0	0	161	1	304	0	0	0	2	0	0	1	0	3	0	0	1	0	0	0
1	0	0	0	0	0	0	0	0	93	0	0	0	1	0	1	0	0	1	0	0	0	1	0
1	0	0	0	1	0	2	1	0	0	97	0	0	1	0	0	0	1	0	0	0	0	0	0
116	0	0	0	0	0	4	1	0	0	0	185	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	2	0	13	0	40	0	2	1	131	1	6	12	0	58	5	6	3	4	0	0
0	0	0	0	0	0	1	0	1	2	2	0	0	59	1	0	0	4	0	1	0	0	0	0
1	0	1	0	1	0	2	1	0	0	0	0	0	0	102	0	1	2	0	0	0	0	0	0
8	0	0	0	4	0	4	3	0	0	0	0	1	0	2	616	0	4	1	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	0	0	4	0	92	1	0	0	183	0	0	0
5	0	0	0	0	0	2	1	1	2	0	0	0	0	0	0	0	189	1	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	6	94	0	0	7	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	73	1	0	0	0
1	2	0	0	0	0	0	1	0	1	1	0	3	2	7	3	0	3	2	3	294	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	18	0	0
1	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	2	1	0	0	0	18	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.7821951508522034

logcosh

416	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
0	123	0	0	1	0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
0	0	0	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	99	1	0	0	0	0
2	0	0	0	206	0	0	0	0	0	1	0	0	0	1	1	0	3	0	0	0	0	0	0
0	0	1	4	0	100	0	0	0	0	0	0	0	0	0	1	2	0	0	9	0	0	0	0
3	0	0	0	3	0	499	1	143	0	0	0	0	0	1	5	0	0	1	0	0	0	1	0
1	0	0	0	1	0	1	332	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0
2	0	0	0	0	0	122	1	341	0	1	0	3	0	0	1	0	0	0	0	1	0	1	1
2	0	0	0	1	0	0	1	0	74	0	0	0	0	0	2	0	1	1	0	0	1	15	0
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	0
142	0	0	0	1	0	2	1	0	0	0	159	0	0	0	1	0	0	0	0	0	0	0	0
4	1	0	1	4	0	8	0	25	0	5	1	165	0	6	20	0	25	8	2	6	5	5	0
0	0	0	0	0	0	1	1	0	0	2	0	2	56	1	1	0	5	0	0	0	0	2	0
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	0
7	0	0	0	3	0	2	3	1	0	0	0	0	0	1	622	0	2	2	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	0	0	2	0	3	1	80	0	0	0	194	0	0	0
5	0	0	0	7	0	0	1	0	0	1	0	0	0	0	0	0	185	0	0	0	0	1	1
2	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	4	100	0	0	2	1	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	72	2	0	0	0	0
2	4	0	0	0	0	0	1	0	2	0	0	1	1	8	4	0	3	0	3	292	1	1	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	20	0	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	22	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.7875214219093323

categorical_crossentropy

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	111	0	0	0	0	0	0	0	0	0	87	1	0	0	1	0	0	0	0	0	0	0	0
0	0	59	0	0	0	0	1	1	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0
0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	2	0	0	0
2	0	0	0	207	0	1	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
0	0	0	1	0	98	0	0	0	0	0	0	0	0	1	0	0	0	9	0	0	8	0	0
1	0	0	0	1	0	563	3	85	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0
0	0	0	0	1	0	1	335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1	0	0	0	0	0	195	1	273	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0
0	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	2	0
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0
137	0	0	0	1	0	3	1	0	0	0	163	0	0	0	1	0	0	0	0	0	0	0	0
5	1	0	0	6	0	12	7	46	1	2	1	141	0	7	18	0	22	12	0	1	2	7	0
1	0	0	0	0	0	1	0	0	1	2	0	1	57	0	1	0	5	1	0	0	0	1	0
0	0	0	0	2	0	0	2	0	0	2	0	0	0	104	0	0	1	0	0	0	0	0	0
8	0	0	0	5	0	1	4	1	2	0	0	0	0	1	615	0	4	2	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	2	0	0	0	4	1	70	0	0	0	203	0	0	0
6	0	0	0	12	0	1	1	0	3	0	0	0	0	0	0	0	177	0	0	0	0	1	0
2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	102	0	0	5	1	0
0	0	0	9	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	64	1	0	0	0
2	24	0	0	0	0	5	0	3	2	0	1	2	6	2	0	0	1	1	270	0	4	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	21	0	0
1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	23	0

0.7757276296615601

kullback_leibler_divergence

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	108	0	0	0	0	0	0	0	0	0	91	0	0	0	1	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
0	0	0	13	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	89	3	0	0	0
2	0	0	0	207	0	0	0	0	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0
0	0	1	2	0	99	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	11	0	0
3	0	0	0	0	0	599	3	45	0	0	0	0	0	1	4	0	0	1	0	0	0	1	0
0	0	0	0	0	0	1	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
1	0	0	0	0	0	293	1	169	0	1	0	7	0	0	1	0	0	0	0	1	0	0	0
3	0	0	0	0	0	0	1	0	88	0	0	0	0	0	1	0	1	1	0	0	0	3	0
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0
188	0	0	0	0	0	2	1	0	0	0	111	0	0	0	4	0	0	0	0	0	0	0	0
5	1	0	0	3	0	12	8	22	0	4	1	182	0	3	17	0	16	10	0	2	5	0	0
1	0	0	0	0	0	1	1	0	0	0	0	1	57	1	2	1	4	1	0	0	0	1	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	0
7	0	0	0	3	0	1	4	1	0	0	0	5	0	0	618	0	3	1	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	2	0	0	0	2	2	91	0	0	0	183	0	0	0
4	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	193	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	3	100	0	0	4	0	0
0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	68	3	0	0	0
3	3	0	0	0	0	0	4	1	3	1	0	3	0	4	4	0	1	3	1	289	1	2	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	20	0	0
2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	19	0

0.7707818150520325

poisson

415	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
0	110	0	0	0	0	0	0	0	0	0	89	0	0	0	1	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0
0	0	0	14	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	91	0	0	0	0
1	0	0	0	209	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0
0	0	0	1	0	97	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	14	1	0
2	0	0	0	1	0	585	4	55	1	0	0	0	0	1	5	0	0	1	0	0	0	2	0
1	0	0	0	1	0	0	333	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0
1	0	0	0	0	0	247	2	216	0	0	0	4	0	0	2	0	1	0	0	1	0	0	0
1	0	0	0	1	0	0	1	0	81	0	0	0	0	0	1	0	1	0	0	0	0	12	0
1	0	0	0	0	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	1	0	1	1	0	0	0	232	0	0	0	2	0	1	0	0	0	0	0	0
3	1	0	0	7	0	8	7	24	0	2	2	169	0	6	14	0	33	5	0	0	5	5	0
1	0	0	0	0	0	1	2	0	0	1	0	1	56	1	1	0	5	1	0	0	0	1	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	0
7	0	0	0	3	0	1	2	1	0	0	0	1	0	1	623	0	4	0	0	0	0	0	0
0	0	0	1	0	0	2	1	0	0	0	0	1	0	7	1	143	2	0	0	125	0	0	0
4	0	0	0	6	0	1	1	0	1	0	0	0	0	0	0	0	187	0	0	0	0	1	0
3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	5	98	0	0	3	1	0
0	0	0	8	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	66	0	0	0	0
1	35	0	0	0	0	0	6	0	0	0	0	5	1	12	5	0	3	0	1	251	0	3	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	19	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0

0.7991249561309814

cosine_proximity

417	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	131	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0
0	0	63	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	73	0	0	0	0
2	0	0	0	207	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0
0	0	0	2	0	102	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	8	1	0
2	0	0	0	2	0	517	2	129	1	0	0	0	0	0	2	1	0	0	0	0	0	1	0
2	0	0	0	1	0	0	333	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
1	0	0	0	0	0	129	1	335	0	0	1	6	0	0	1	0	0	0	0	0	0	0	0
0	0	1	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	2	0
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	1	0	2	1	0	0	0	192	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	2	2	0	10	1	31	0	2	2	154	0	20	17	1	21	9	1	1	3	5	0
1	0	0	0	0	0	1	0	0	2	3	0	0	58	1	1	0	4	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	0
8	0	0	0	5	0	2	3	1	0	0	0	0	0	1	617	1	4	1	0	0	0	0	0
0	0	0	1	0	0	1	0	2	0	0	0	0	0	4	3	171	0	0	0	101	0	0	0
5	0	0	0	7	0	0	1	1	1	0	0	0	0	0	0	0	185	0	0	0	0	0	1
2	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	3	101	0	0	2	1	0
0	0	0	14	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	61	0	0	0	0
3	9	0	0	1	0	0	2	0	1	2	0	2	4	15	2	1	2	0	1	278	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	20	0	0	0
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	20	0

0.8173863291740417

SGD

mean_squared_error

0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	417	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	197	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	213	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	469	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	301	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	290	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	642	0	0	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	273	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	313	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0

0.12212288837966919

mean_absolute_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.124976225197315 22

mean_absolute_percentage_error

0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	417	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	102	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	637	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	334	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	458	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	95	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	103	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	305	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	290	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	635	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0

0.021495148539543152

mean_squared_logarithmic_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.12497622519731522

squared_hinge

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0

0.12231310456991196

hinge

0	0	0	0	0	0	372	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0
0	0	0	0	0	0	159	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0
0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0
0	0	0	0	0	0	197	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0
0	0	0	0	0	0	103	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	0	483	0	0	0	0	0	0	0	0	174	0	0	0	0	0	0	0
0	0	0	0	0	0	298	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0
0	0	0	0	0	0	303	0	0	0	0	0	0	0	0	171	0	0	0	0	0	0	0
0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0
0	0	0	0	0	0	95	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
0	0	0	0	0	0	251	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0
0	0	0	0	0	0	235	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0
0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0
0	0	0	0	0	0	85	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
0	0	0	0	0	0	511	0	0	0	0	0	0	0	0	132	0	0	0	0	0	0	0
0	0	0	0	0	0	185	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0
0	0	0	0	0	0	181	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0
0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
0	0	0	0	0	0	210	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0

0.11698687821626663

categorical_hinge

95	25	2	1	25	4	15	39	5	14	7	23	15	2	28	34	1	40	34	0	6	1	2	0
32	11	1	8	1	1	10	6	8	9	1	29	6	0	7	38	4	10	6	0	8	1	3	0
1	2	0	1	1	0	8	6	5	7	2	1	0	10	2	4	2	0	0	2	10	0	0	0
0	1	0	0	3	12	15	6	4	4	2	3	7	0	2	25	8	1	0	3	11	0	0	0
8	1	0	0	40	2	34	3	26	2	16	3	1	2	9	40	3	10	0	0	14	0	0	0
2	5	3	2	3	49	3	1	1	0	0	0	7	0	0	0	22	0	1	1	17	0	0	0
21	19	1	1	26	14	114	98	150	0	13	12	8	15	9	89	7	4	30	5	20	0	1	0
47	7	3	0	15	2	41	74	7	4	12	14	8	0	13	51	5	12	20	0	2	1	0	0
21	9	0	10	10	11	83	55	109	0	5	4	4	6	10	55	30	9	1	13	27	1	1	0
3	0	4	0	0	0	5	27	9	8	1	2	0	0	0	17	0	2	5	0	8	7	0	0
14	2	2	0	8	1	11	18	7	5	6	1	2	1	0	9	1	8	2	0	6	0	0	0
37	17	3	5	21	2	9	18	21	12	3	33	8	3	24	36	5	23	9	4	9	0	3	1
10	6	0	2	18	11	61	33	40	1	7	4	10	7	2	52	2	6	7	1	10	1	0	0
3	3	1	0	1	1	3	4	11	0	0	2	2	0	0	14	0	1	0	2	20	3	0	0
4	3	0	2	2	3	10	30	4	13	0	1	1	2	14	7	8	2	2	0	3	0	0	0
39	3	0	0	11	11	140	35	33	24	11	26	25	7	12	165	14	27	40	0	20	0	0	0
5	5	1	0	8	3	5	16	26	0	2	8	16	0	3	47	64	5	0	0	66	3	0	0
20	12	0	0	25	4	27	6	23	6	9	3	3	0	2	27	1	16	7	0	10	0	0	0
14	3	0	3	7	0	12	8	2	2	2	4	8	0	1	5	9	11	12	1	7	1	1	0
0	1	2	0	8	2	0	1	5	1	1	0	2	0	1	16	10	1	1	2	22	0	0	0
13	4	0	0	6	9	36	14	29	1	5	28	9	1	29	55	12	16	9	2	40	4	1	0
2	0	0	2	0	0	6	0	1	0	1	0	0	1	0	0	3	0	2	0	4	0	0	0
2	0	0	0	0	0	1	9	1	1	1	2	1	0	0	5	0	1	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.16397184133529663

logcosh

6	0	0	0	0	0	412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	194	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	211	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
42	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	622	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
4	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	456	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	97	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	100	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	628	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	199	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	302	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.11964999313930893

categorical_crossentropy

404	0	0	0	3	0	1	1	0	1	0	2	0	0	2	2	0	2	0	0	0	0	0	0
56	55	0	0	0	0	0	0	1	0	1	83	0	0	0	3	0	0	0	0	0	0	0	1
0	0	10	2	2	0	0	29	1	0	3	0	1	0	2	3	1	5	0	0	4	1	0	
2	1	4	41	0	0	0	8	2	0	0	0	34	0	0	4	0	0	0	4	6	0	1	
6	0	0	0	179	0	0	5	0	2	0	0	0	0	0	2	0	20	0	0	0	0	0	
0	0	0	0	0	95	0	5	0	0	0	0	1	1	0	2	1	0	12	0	0	0	0	
1	0	0	0	7	0	512	3	118	0	0	1	10	0	1	4	0	0	0	0	0	0	0	
9	0	0	0	1	0	2	313	0	2	0	0	0	0	2	7	0	1	0	0	0	0	1	
1	0	1	0	3	0	221	6	224	0	1	2	14	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	2	0	0	26	0	66	0	0	0	0	0	1	0	2	0	0	0	0	0	
6	0	0	0	2	0	2	36	0	1	39	0	0	0	0	6	0	10	1	0	0	0	1	
159	16	0	0	2	0	3	0	0	0	5	117	0	0	0	3	0	0	0	0	1	0	0	
19	0	6	2	37	0	9	53	20	1	12	3	75	3	3	25	0	13	5	1	1	2	1	
1	0	2	0	0	1	1	7	0	3	1	0	2	33	0	10	0	4	3	0	2	0	1	
2	0	0	0	2	0	0	10	1	0	0	0	0	0	91	0	3	1	0	0	1	0	0	
10	1	0	0	5	1	1	22	1	4	3	0	2	0	2	574	0	12	4	0	0	1	0	
0	0	1	1	0	0	1	2	1	0	1	0	2	0	2	1	152	0	0	0	119	0	0	
6	0	0	0	61	0	0	4	0	2	0	0	0	0	0	0	0	127	1	0	0	0	0	
2	0	0	0	0	0	0	15	0	1	4	0	0	0	0	2	0	10	76	0	0	2	1	
0	1	11	24	0	0	0	3	1	0	0	0	18	2	0	3	0	0	0	2	11	0	0	
7	14	3	0	1	0	0	16	0	1	20	2	2	2	8	10	4	1	4	0	227	0	1	
0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1	0	3	7	0	0	4	0	
4	0	0	0	1	0	0	7	0	8	0	0	0	0	0	0	0	2	0	0	0	0	4	

0.6505611538887024

kullback_leibler_divergence

379	2	0	0	1	0	2	0	1	1	0	27	0	0	2	2	0	1	0	0	0	0	0	
53	46	0	0	0	0	2	0	0	0	0	93	2	0	0	2	0	1	0	0	1	0	0	
0	0	15	1	2	1	0	15	1	2	1	0	7	3	0	5	1	5	2	0	3	0	0	
1	1	2	26	5	0	0	11	0	0	4	0	38	1	0	5	0	0	0	4	8	0	1	
5	0	1	0	175	0	0	3	0	2	0	0	0	0	0	1	0	27	0	0	0	0	0	
0	0	0	0	0	98	0	5	0	0	0	0	1	1	0	0	0	0	10	0	2	0	0	
0	0	0	0	5	0	562	1	81	0	0	1	4	0	1	1	0	0	0	0	0	0	1	
6	0	0	0	2	0	2	301	0	8	0	0	0	0	2	10	0	3	2	0	0	0	2	
0	0	0	0	3	0	266	5	174	0	2	2	21	0	0	0	0	0	0	0	1	0	0	
0	0	0	0	2	0	0	15	0	75	0	0	0	1	1	0	1	0	2	0	0	0	1	
5	0	0	2	3	0	2	39	0	1	33	0	0	0	0	0	6	0	7	2	0	2	0	2
123	29	0	0	1	0	4	0	0	0	1	142	1	0	0	2	0	0	0	0	2	0	1	
9	1	1	6	25	0	15	41	45	1	7	2	91	3	2	18	0	15	5	1	1	0	2	
2	0	2	2	0	1	1	8	0	4	1	0	5	35	0	4	0	3	2	0	1	0	0	
1	0	1	0	1	0	0	6	2	0	0	0	0	0	93	0	4	1	0	0	2	0	0	
6	1	0	0	3	0	3	14	2	4	1	3	1	0	1	598	0	4	2	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	3	2	2	1	135	0	0	1	133	0	0	
6	0	0	0	75	0	0	6	1	2	0	1	1	0	0	0	0	109	0	0	0	0	0	
2	0	0	0	0	0	0	9	0	2	3	0	0	0	0	2	0	9	84	1	0	0	1	
0	0	8	14	1	0	0	0	0	0	0	0	33	7	0	2	0	0	0	0	11	0	0	
15	10	1	0	1	0	0	10	0	2	12	2	6	3	9	8	1	0	1	0	242	0	0	
0	0	1	0	0	1	0	4	0	0	0	0	0	0	0	1	0	3	8	0	0	4	0	
2	0	0	0	1	0	0	6	0	11	0	0	0	0	0	0	0	1	0	0	0	0	5	

0.6509416103363037

poisson

0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	347	0	0	0	0	0	0	0	
0	0	0	0	0	0	63	0	2	0	0	0	0	0	0	135	0	0	0	0	0	0	0	
0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	
0	0	0	0	0	0	72	0	2	0	0	0	0	0	0	33	0	0	0	0	0	0	0	
0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	161	0	0	0	0	0	0	0	
0	0	0	0	0	0	99	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	
0	0	0	0	0	0	383	0	0	0	0	0	0	0	0	274	0	0	0	0	0	0	0	
0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	252	0	0	0	0	0	0	0	
0	0	0	0	0	0	333	0	4	0	0	0	0	0	0	137	0	0	0	0	0	0	0	
0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	
0	0	0	0	0	0	72	0	1	0	0	0	1	0	0	232	0	0	0	0	0	0	0	
0	0	0	0	0	0	135	0	0	0	0	0	0	0	0	156	0	0	0	0	0	0	0	
0	0	0	0	0	0	31	0	1	0	0	0	1	0	0	38	0	0	0	0	0	0	0	
0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	
0	0	0	0	0	0	309	0	0	0	0	0	0	0	0	334	0	0	0	0	0	0	0	
0	0	0	0	0	0	174	0	2	0	0	0	4	0	0	103	0	0	0	0	0	0	0	
0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	151	0	0	0	0	0	0	0	
0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	
0	0	0	0	0	0	48	0	2	0	0	0	1	0	0	25	0	0	0	0	0	0	0	
0	0	0	0	0	0	174	0	12	0	0	0	2	0	0	135	0	0	0	0	0	0	0	
0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	

0.13715046644210815

cosine_proximity

217	0	0	0	0	0	26	0	2	0	0	0	2	0	0	171	0	0	0	0	0	0	0	
39	0	0	0	0	0	22	0	0	0	0	0	1	0	0	137	0	0	0	0	1	0	0	
8	0	0	0	0	1	29	0	7	0	0	0	1	0	0	18	0	0	0	0	0	0	0	
3	0	0	0	0	14	56	0	6	0	0	0	3	0	0	25	0	0	0	0	0	0	0	
80	0	0	0	0	0	121	0	1	0	0	0	0	0	0	12	0	0	0	0	0	0	0	
3	0	0	0	0	72	17	0	10	0	0	0	4	0	0	10	0	0	0	0	1	0	0	
56	0	0	0	0	11	443	0	78	0	0	0	2	0	0	67	0	0	0	0	0	0	0	
120	0	0	0	0	0	73	0	5	0	0	0	1	0	0	139	0	0	0	0	0	0	0	
24	0	0	0	0	15	319	0	66	0	0	0	17	0	0	33	0	0	0	0	0	0	0	
41	0	0	0	0	0	8	0	13	0	0	0	1	0	0	35	0	0	0	0	0	0	0	
46	0	0	0	0	0	17	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	
117	0	0	0	0	2	32	0	1	0	0	0	4	0	0	149	0	0	0	0	1	0	0	
46	0	0	0	0	8	187	0	9	0	0	0	5	0	0	36	0	0	0	0	0	0	0	
11	0	0	0	0	1	8	0	4	0	0	0	3	0	0	43	0	0	0	0	1	0	0	
16	0	0	0	0	0	52	0	10	0	0	0	2	0	0	31	0	0	0	0	0	0	0	
92	0	0	0	0	11	150	0	78	0	0	0	6	0	0	306	0	0	0	0	0	0	0	
13	0	0	0	0	14	64	0	22	0	0	0	12	0	0	158	0	0	0	0	0	0	0	
75	0	0	0	0	1	101	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	
24	0	0	0	0	0	24	0	23	0	0	0	3	0	0	39	0	0	0	0	0	0	0	
9	0	0	0	0	3	28	0	1	0	0	0	10	0	0	25	0	0	0	0	0	0	0	
25	0	0	0	0	11	79	0	9	0	0	0	33	0	0	166	0	0	0	0	0	0	0	
3	0	0	0	0	0	11	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	11	0	0	0	0	1	0	0	

0.21095682680606842

Adagrad

mean_squared_error

402	0	0	0	2	0	3	1	2	2	0	3	0	0	1	1	0	1	0	0	0	0	0	
11	85	0	0	0	0	0	0	1	0	0	100	1	0	0	2	0	0	0	0	0	0	0	
1	0	49	0	0	0	0	10	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	
1	1	0	80	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	18	3	0	0	
4	0	1	0	174	0	0	2	0	1	0	0	0	0	3	1	0	28	0	0	0	0	0	
0	0	0	0	0	99	0	1	0	0	2	0	2	0	0	0	0	1	11	0	1	0	0	
0	0	0	0	0	0	523	0	130	0	1	0	1	0	0	1	1	0	0	0	0	0	0	
9	0	0	0	1	0	2	312	1	4	2	0	0	0	2	5	0	0	0	0	0	0	0	
1	0	2	0	0	0	184	1	280	0	2	0	3	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	1	0	0	4	0	90	0	0	0	0	0	1	0	1	0	0	0	0	0	
5	0	0	0	1	0	2	9	0	1	71	0	0	1	0	6	0	8	0	0	0	0	0	
113	11	1	0	2	0	4	0	0	0	0	173	0	0	0	2	0	0	0	0	0	0	0	
19	1	12	8	3	0	9	22	36	3	22	3	99	2	1	22	1	16	3	5	2	2	0	
1	0	0	1	0	1	1	3	0	4	3	0	1	52	0	1	0	1	1	0	0	1	0	
1	0	0	0	1	0	0	5	3	0	1	0	0	0	98	0	2	0	0	0	0	0	0	
8	0	0	0	5	0	3	7	3	2	1	1	1	0	0	608	1	2	1	0	0	0	0	
0	0	0	1	0	0	1	1	1	0	2	0	1	0	3	0	121	0	0	1	151	0	0	
7	0	0	0	31	0	2	2	1	3	5	0	0	0	0	2	0	148	0	0	0	0	0	
2	0	0	0	0	0	0	7	0	2	5	0	1	0	0	2	0	17	72	1	0	4	0	
0	0	0	42	0	0	0	4	0	0	1	0	0	6	0	2	0	0	1	16	4	0	0	
5	18	0	0	0	0	0	7	0	1	9	3	3	0	10	5	0	0	1	0	261	0	0	
0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	8	3	0	0	8	0	
5	0	0	0	1	0	0	4	0	14	0	0	0	0	0	0	0	2	0	0	0	0	0	

0.7268403768539429

mean_absolute_error

0	0	0	0	0	0	2	0	3	0	0	0	249	0	0	164	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	2	0	0	0	110	0	0	87	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	31	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	96	0	0	11	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	3	0	0	0	30	0	0	181	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	106	0	0	11	0	0	0	0	0	0	0	
0	0	0	0	0	0	488	0	167	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	1	0	0	0	156	0	0	179	0	0	0	0	0	0	0	
0	0	0	0	0	0	161	0	305	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	22	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	34	0	0	68	0	0	0	0	0	0	0	
0	0	0	0	0	0	4	0	2	0	0	0	190	0	0	110	0	0	0	0	0	0	0	
0	0	0	0	0	0	7	0	29	0	0	0	216	0	0	39	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	52	0	0	18	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	3	0	0	0	62	0	0	46	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	2	0	0	0	8	0	0	631	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	38	0	0	160	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	66	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	25	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	1	0	0	0	197	0	0	125	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	16	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	6	0	0	0	0	0	0	0	

0.3119649887084961

mean_absolute_percentage_error

409	0	0	0	0	0	5	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	
162	0	0	0	0	0	3	0	0	0	0	0	10	0	0	6	0	0	0	0	19	0	0	
32	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7	0	0	0	0	24	0	0	
8	0	0	0	0	10	0	0	0	0	0	0	17	0	0	3	0	0	0	0	69	0	0	
196	0	0	0	0	0	1	0	0	0	0	0	1	0	0	16	0	0	0	0	0	0	0	
5	0	0	0	0	95	1	0	0	0	0	0	3	0	0	1	3	0	0	0	9	0	0	
0	0	0	0	0	0	640	0	0	0	0	0	14	0	0	1	2	0	0	0	0	0	0	
314	0	0	0	0	0	2	0	0	0	0	0	1	0	0	20	0	0	0	0	1	0	0	
3	0	0	0	0	0	429	0	0	0	0	0	41	0	0	0	0	0	0	0	1	0	0	
93	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	2	0	0	
90	0	0	0	0	0	2	0	0	0	0	0	0	0	0	8	0	0	0	0	4	0	0	
266	0	0	0	0	0	6	0	0	0	0	0	8	0	0	10	0	0	0	0	16	0	0	
84	0	0	0	0	0	22	0	0	0	0	0	122	0	0	19	3	0	0	0	41	0	0	
12	0	0	0	0	0	1	0	0	0	0	0	3	0	0	7	0	0	0	0	48	0	0	
39	0	0	0	0	0	2	0	0	0	0	0	1	0	0	5	38	0	0	0	26	0	0	
10	0	0	0	0	0	4	0	0	0	0	0	5	0	0	621	1	0	0	0	2	0	0	
2	0	0	0	0	0	2	0	0	0	0	0	19	0	0	4	104	0	0	0	152	0	0	
185	0	0	0	0	0	2	0	0	0	0	0	1	0	0	11	0	0	0	0	2	0	0	
85	0	0	0	0	0	0	0	0	0	0	0	1	0	0	11	0	0	0	0	16	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	23	0	0	3	0	0	0	0	49	0	0	
60	0	0	0	0	0	0	0	0	0	0	0	5	0	0	7	3	0	0	0	248	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	7	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.425908327102661 13

mean_squared_logarithmic_error

405	0	0	0	1	0	2	1	0	0	0	6	0	0	2	1	0	0	0	0	0	0	0	
1	94	0	0	0	0	0	0	1	0	0	101	0	0	0	2	0	0	0	0	0	0	1	
0	0	40	0	1	0	0	19	0	0	1	0	0	0	0	2	0	1	0	0	0	0	0	
0	0	0	64	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	38	2	0	0	
5	0	0	1	177	0	0	2	0	2	0	0	1	0	1	1	0	23	0	0	0	0	1	
0	0	0	0	0	99	0	3	0	0	0	0	0	0	0	0	0	1	12	0	2	0	0	
1	0	0	0	0	0	507	0	143	0	0	1	2	0	0	2	1	0	0	0	0	0	0	
7	0	0	0	1	0	2	306	1	5	3	0	0	0	2	8	0	1	0	0	0	0	2	
0	0	0	0	0	0	167	3	296	0	2	1	4	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	89	0	0	0	0	0	1	0	1	0	0	0	0	6	
2	0	0	0	3	0	2	13	0	1	67	0	0	0	0	6	0	7	1	0	0	0	2	
86	3	0	0	1	0	4	0	0	0	0	209	0	0	0	2	0	1	0	0	0	0	0	
10	1	9	1	13	0	10	12	40	0	33	2	100	2	3	18	0	24	0	6	1	0	6	
1	0	0	1	0	0	1	1	0	5	3	0	1	52	1	0	0	2	1	0	1	1	0	
1	0	0	0	1	0	0	4	2	0	2	0	1	0	99	0	1	0	0	0	0	0	0	
9	0	0	0	3	0	3	11	1	1	2	0	0	0	0	608	1	3	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	3	1	4	0	92	0	0	0	177	0	0	
6	0	0	0	44	0	2	4	1	3	2	0	0	0	0	1	0	138	0	0	0	0	0	
2	0	0	0	0	0	0	0	10	0	0	3	0	1	0	0	2	0	8	80	0	0	5	2
0	0	4	28	0	0	0	1	0	0	0	0	2	6	0	1	0	2	1	27	3	1	0	
5	14	0	0	1	0	0	4	0	3	10	3	3	0	8	5	0	1	0	1	265	0	0	
0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1	0	4	2	0	0	11	0
2	0	0	0	0	0	0	0	2	0	7	0	0	0	1	0	0	0	2	0	0	0	0	12

0.7298839688301086

squared_hinge

403	0	0	0	0	0	2	1	3	0	0	7	0	0	0	1	0	0	0	0	1	0	0	
17	0	0	0	0	0	1	0	2	0	0	174	1	0	0	1	0	0	0	0	4	0	0	
2	0	0	0	0	0	0	53	0	0	0	0	1	0	0	8	0	0	0	0	0	0	0	
2	0	0	0	0	2	0	26	0	0	0	0	29	0	0	7	0	0	0	0	41	0	0	
30	0	0	0	0	0	1	170	0	0	0	0	0	0	0	12	0	0	0	0	1	0	0	
0	0	0	0	0	97	0	7	0	0	0	0	1	0	0	1	1	0	0	0	10	0	0	
0	0	0	0	0	0	521	0	132	0	0	0	3	0	0	0	1	0	0	0	0	0	0	
14	0	0	0	0	0	2	310	2	0	0	0	0	0	0	10	0	0	0	0	0	0	0	
1	0	0	0	0	0	196	3	271	0	0	0	2	0	0	0	0	0	0	0	1	0	0	
3	0	0	0	0	0	0	94	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
13	0	0	0	0	0	2	79	0	0	0	1	0	0	0	9	0	0	0	0	0	0	0	
94	0	0	0	0	0	4	0	1	0	0	203	1	0	0	2	0	0	0	0	1	0	0	
22	0	0	0	0	0	0	9	73	47	0	0	3	106	0	0	23	0	0	0	0	8	0	0
0	0	0	0	0	0	1	1	29	0	0	0	0	7	0	0	10	0	0	0	0	23	0	0
12	0	0	0	0	0	1	1	27	2	0	0	2	0	0	0	1	34	0	0	0	32	0	0
10	0	0	0	0	0	0	4	10	1	0	0	1	4	0	0	612	1	0	0	0	0	0	0
1	0	0	0	0	0	1	2	1	0	0	0	3	0	0	2	109	0	0	0	164	0	0	
24	0	0	0	0	0	0	2	164	1	0	0	0	0	0	0	10	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	84	0	0	0	0	2	0	0	11	0	0	0	0	1	0	0
0	0	0	0	0	0	0	7	0	0	0	0	23	0	0	8	2	0	0	0	36	0	0	
23	0	0	0	0	0	0	13	0	0	0	11	2	0	0	4	1	0	0	0	269	0	0	
1	0	0	0	0	0	0	18	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.5518356561660767

hinge

408	0	0	0	0	0	5	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
184	0	0	0	0	0	3	1	0	0	0	0	3	0	0	3	0	0	0	0	6	0	0	
5	0	0	0	0	0	0	52	0	0	0	0	1	0	0	5	0	0	0	0	1	0	0	
4	0	0	0	0	6	0	7	0	0	0	0	9	0	0	2	0	0	0	0	79	0	0	
70	0	0	0	0	0	2	131	0	0	0	0	1	0	0	10	0	0	0	0	0	0	0	
0	0	0	0	0	95	0	6	0	0	0	0	1	0	0	1	4	0	0	0	10	0	0	
0	0	0	0	0	0	646	0	0	0	0	0	10	0	0	0	1	0	0	0	0	0	0	
35	0	0	0	0	3	287	0	0	0	0	0	1	0	0	12	0	0	0	0	0	0	0	
3	0	0	0	0	0	435	0	0	0	0	0	35	0	0	0	0	0	0	0	1	0	0	
19	0	0	0	0	0	0	77	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
21	0	0	0	0	0	2	72	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	
289	0	0	0	0	0	7	1	0	0	0	0	1	0	0	4	0	0	0	0	4	0	0	
44	0	0	0	0	0	24	32	0	0	0	0	149	0	0	19	2	0	0	0	21	0	0	
4	0	0	0	0	0	1	24	0	0	0	0	1	0	0	7	2	0	0	0	32	0	0	
2	0	0	0	0	0	3	73	0	0	0	0	1	0	0	1	25	0	0	0	6	0	0	
12	0	0	0	0	0	4	15	0	0	0	0	5	0	0	606	1	0	0	0	0	0	0	
1	0	0	0	0	0	2	5	0	0	0	0	3	0	0	0	100	0	0	0	172	0	0	
62	0	0	0	0	0	3	128	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	
33	0	0	0	0	0	0	63	0	0	0	0	1	0	0	10	0	0	0	0	6	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	8	0	0	7	2	0	0	0	57	0	0	
32	0	0	0	0	0	0	20	0	0	0	0	1	0	0	4	3	0	0	0	263	0	0	
1	0	0	0	0	0	0	19	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.4858284294605255

categorical_hinge

404	0	0	0	1	0	3	0	2	1	0	4	0	0	2	1	0	0	0	0	0	0	0	0
17	86	0	0	0	0	0	1	2	0	0	90	1	0	0	2	0	0	0	0	1	0	0	0
0	0	50	0	0	0	0	0	0	0	2	0	0	0	0	4	0	8	0	0	0	0	0	0
2	1	0	69	0	0	0	1	0	0	0	0	1	0	0	2	0	1	0	22	8	0	0	0
2	0	0	0	189	0	1	1	0	1	0	0	1	0	0	2	0	17	0	0	0	0	0	0
0	0	0	1	0	103	0	1	0	0	2	0	0	0	0	0	0	1	8	0	1	0	0	0
0	0	0	0	0	0	541	1	111	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0
5	0	0	0	0	0	3	320	0	4	4	0	0	0	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	188	2	276	0	0	0	3	0	0	1	0	2	0	0	0	0	0	0
2	0	0	0	1	0	0	5	0	86	0	0	0	1	0	1	0	2	0	0	0	0	0	0
20	0	0	0	2	0	2	6	0	2	53	0	0	0	0	5	0	14	0	0	0	0	0	0
98	28	1	0	3	0	4	1	0	0	1	163	4	0	0	2	0	1	0	0	0	0	0	0
16	0	0	0	15	0	10	3	36	3	7	3	124	1	1	10	0	56	1	0	5	0	0	0
1	0	0	0	0	0	1	1	0	6	1	0	1	55	1	0	0	1	0	0	3	0	0	0
1	0	0	0	3	0	1	1	2	0	5	0	0	0	93	0	2	0	0	0	3	0	0	0
9	0	0	1	2	0	4	1	1	1	1	0	1	0	0	620	0	2	0	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	2	0	2	0	2	0	129	1	0	0	144	0	0	0
10	0	0	0	55	0	2	2	1	1	1	0	0	0	0	1	0	128	0	0	0	0	0	0
5	0	0	0	0	0	0	4	0	1	6	0	2	0	0	1	0	11	83	0	0	0	0	0
0	2	0	49	0	0	0	0	0	0	0	0	1	2	0	1	0	1	0	9	11	0	0	0
8	36	0	2	2	0	0	3	0	2	13	2	1	3	4	3	0	1	0	0	243	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	9	0	0	0	0	0
8	0	0	0	1	0	0	3	0	9	0	0	0	0	0	0	0	4	1	0	0	0	0	0

0.727411091327667 2

logcosh

409	0	0	0	1	0	1	1	2	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0
1	71	0	0	0	0	0	0	1	0	0	125	1	0	0	1	0	0	0	0	0	0	0	0
2	0	46	0	0	0	0	15	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
1	0	0	54	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	47	1	0	0	0
2	0	0	1	192	0	0	2	0	1	2	0	1	0	0	1	0	12	0	0	0	0	0	0
0	0	0	2	0	101	0	4	0	0	0	0	1	0	0	0	0	1	7	0	1	0	0	0
0	0	0	0	0	0	516	0	134	0	1	1	2	0	0	2	1	0	0	0	0	0	0	0
7	0	0	0	1	0	2	314	1	3	1	0	0	0	3	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	187	3	277	0	3	1	2	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	6	0	88	0	0	0	0	0	1	0	2	0	0	0	0	0	0
1	0	0	0	3	0	2	9	0	1	76	0	0	2	0	4	0	6	0	0	0	0	0	0
114	1	0	0	1	0	4	0	0	0	0	184	0	0	0	2	0	0	0	0	0	0	0	0
12	1	5	1	6	0	8	18	37	2	27	2	106	1	1	17	0	31	2	9	3	2	0	0
2	0	0	0	0	0	1	3	0	3	1	0	2	53	1	1	0	4	0	0	0	0	0	0
1	0	0	0	3	0	0	6	3	0	1	0	0	0	94	1	2	0	0	0	0	0	0	0
9	0	0	0	5	0	4	11	0	0	2	1	0	0	0	608	1	1	1	0	0	0	0	0
0	0	0	1	0	0	1	3	1	0	1	0	2	1	2	0	125	0	1	1	144	0	0	0
6	0	0	0	42	0	2	3	1	2	1	0	0	0	0	0	0	144	0	0	0	0	0	0
2	0	0	0	0	0	0	11	0	1	2	0	1	0	0	3	0	11	71	0	0	11	0	0
0	0	0	25	0	0	0	0	0	0	2	0	1	3	0	0	0	1	0	40	2	2	0	0
1	16	0	0	0	0	0	5	0	1	8	0	2	0	9	2	2	0	0	1	276	0	0	0
0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1	0	4	3	0	0	10	0	0
3	0	0	0	0	0	0	10	0	7	1	0	0	2	0	0	0	3	0	0	0	0	0	0

0.733307957649231

categorical_crossentropy

405	0	0	0	1	0	1	1	0	1	0	6	0	0	1	1	0	0	0	0	0	0	1	
23	57	0	0	0	0	0	0	1	0	0	118	0	0	0	1	0	0	0	0	0	0	0	
0	0	43	0	1	0	0	1	0	0	5	0	0	1	1	5	0	5	1	0	0	1	0	
0	1	2	56	0	0	0	3	0	0	3	0	1	0	0	2	0	7	0	28	4	0	0	
5	0	0	0	187	0	0	2	0	2	0	0	0	0	1	0	0	15	0	0	1	1	0	
0	0	1	0	0	99	0	2	0	0	0	0	3	0	0	0	0	0	12	0	0	0	0	
1	0	0	0	1	0	477	0	168	0	1	1	2	0	1	4	0	1	0	0	0	0	0	
4	0	0	0	0	0	3	320	0	2	2	0	0	0	2	2	0	1	0	0	0	0	2	
0	0	1	0	1	0	172	3	289	0	2	2	2	0	0	1	0	0	0	0	1	0	0	
1	0	0	0	0	0	0	6	0	80	0	0	0	0	0	1	0	1	0	0	0	0	9	
4	0	0	0	3	0	2	12	0	1	65	0	0	0	0	6	0	11	0	0	0	0	0	
113	22	0	0	1	0	3	0	0	0	1	164	0	0	0	2	0	0	0	0	0	0	0	
18	0	13	4	11	0	8	9	42	2	29	3	74	1	5	17	0	42	3	5	0	3	2	
0	0	3	0	0	0	1	1	0	1	1	0	2	52	1	0	0	5	1	0	0	1	2	
1	0	0	0	2	0	0	3	1	0	1	0	0	0	100	0	2	1	0	0	0	0	0	
9	0	0	0	4	0	2	8	2	3	2	1	0	0	1	607	0	3	1	0	0	0	0	
0	0	0	2	0	0	1	2	1	0	2	0	1	0	1	0	140	0	0	0	133	0	0	
7	0	0	0	60	0	1	2	1	2	3	0	0	0	0	0	0	124	0	0	0	0	1	
2	0	0	1	0	0	0	5	0	0	5	0	1	0	0	1	0	8	77	0	0	11	2	
0	1	2	47	0	0	0	1	0	0	0	0	7	5	0	0	0	0	0	8	5	0	0	
8	16	0	0	0	0	0	5	0	1	17	1	4	3	7	3	1	0	0	1	255	0	1	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	4	5	0	0	11	0	
2	0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	0	2	0	0	0	0	15	

0.7047745585441589

kullback_leibler_divergence

409	0	0	0	2	0	1	0	0	1	0	2	0	0	2	1	0	0	0	0	0	0	0	
22	76	0	0	0	0	1	0	0	0	0	98	1	0	0	2	0	0	0	0	0	0	0	
0	0	42	0	1	0	0	7	0	0	2	0	0	1	3	1	0	7	0	0	0	0	0	
0	1	0	76	0	0	0	2	0	0	0	0	1	0	0	2	0	0	0	21	4	0	0	
2	0	0	0	195	0	0	1	0	1	1	0	0	0	0	0	0	0	0	14	0	0	0	
0	0	1	2	0	98	0	1	0	0	0	0	1	0	0	0	0	0	0	0	12	0	1	1
2	0	0	0	1	0	566	0	78	0	1	1	0	0	1	6	0	0	0	0	0	0	0	1
4	0	0	0	1	0	2	321	0	3	1	0	0	0	2	0	0	2	0	0	0	0	0	2
0	0	0	0	1	0	240	3	220	0	2	2	3	0	0	1	0	2	0	0	0	0	0	0
1	0	0	0	1	0	0	3	0	81	0	0	0	0	0	1	0	0	0	0	0	0	0	11
5	0	0	0	4	0	2	5	0	1	76	0	0	0	0	3	0	8	0	0	0	0	0	0
100	29	0	0	1	0	4	1	0	0	1	168	0	0	0	2	0	0	0	0	0	0	0	0
21	1	2	0	11	0	10	13	28	2	18	2	97	0	4	22	0	51	4	0	0	1	4	
3	0	2	0	0	1	1	1	0	0	1	0	3	48	1	0	0	6	1	0	1	1	1	
1	0	0	0	3	0	0	2	1	0	1	0	0	0	98	0	2	1	0	0	1	0	1	
10	0	0	0	4	0	3	6	0	3	3	0	1	0	2	608	0	2	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	0	2	0	127	0	0	1	146	0	0	
7	0	0	0	52	0	0	2	0	1	3	0	1	0	0	1	0	132	0	0	0	0	2	
2	0	0	0	0	0	0	2	0	1	3	0	1	0	0	2	0	11	88	0	0	2	1	
0	1	0	58	0	0	0	0	0	0	0	0	0	3	0	1	1	0	0	6	6	0	0	
7	13	0	0	0	0	0	4	0	2	16	0	6	5	9	5	1	0	0	1	252	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	5	0	0	9	0	
1	0	0	0	1	0	0	1	0	7	0	0	0	0	1	0	0	2	0	0	0	0	13	

0.7239870429039001

poisson

407	0	0	0	1	0	1	1	0	1	0	3	0	0	1	1	0	0	0	0	0	0	2	
17	61	0	0	0	0	0	0	1	0	0	120	0	0	0	1	0	0	0	0	0	0	0	
0	0	44	0	1	0	0	0	0	0	5	0	0	0	0	6	0	8	0	0	0	0	0	
1	1	0	75	0	0	0	2	0	0	0	0	0	0	0	2	0	1	0	24	1	0	0	
5	0	0	0	188	0	0	2	0	2	0	0	0	0	1	0	0	15	0	0	0	1	0	
0	0	0	1	0	99	0	1	0	0	1	0	2	0	0	0	0	1	11	0	1	0	0	
3	0	0	0	1	0	531	2	111	0	1	1	0	0	1	5	0	0	0	0	0	0	1	
6	0	0	0	0	0	3	311	0	4	1	0	0	0	2	6	0	4	1	0	0	0	0	
0	0	1	0	1	0	209	2	248	1	3	2	3	0	0	3	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	4	0	83	0	0	0	0	0	1	0	1	0	0	0	0	7	
5	0	0	0	2	0	2	11	0	1	69	0	0	0	0	4	0	9	1	0	0	0	0	
105	14	0	0	1	0	3	0	0	0	0	181	0	0	0	2	0	0	0	0	0	0	0	
23	1	13	3	12	0	9	11	37	1	25	2	79	2	5	19	0	35	5	4	0	2	3	
2	0	0	0	0	1	1	2	0	0	2	0	3	50	1	1	0	6	1	0	0	0	1	
1	0	0	0	3	0	0	3	2	0	1	0	0	0	99	0	0	1	0	0	1	0	0	
10	0	0	0	5	0	2	11	1	4	1	1	0	0	1	602	0	4	1	0	0	0	0	
0	0	0	1	0	0	1	3	1	0	1	0	1	1	1	0	102	0	0	1	170	0	0	
6	0	0	0	56	0	1	3	1	2	0	0	0	0	0	0	0	131	0	0	0	0	1	
2	0	0	0	0	0	0	9	0	1	3	0	0	0	0	2	0	6	86	0	0	3	1	
0	1	0	38	0	0	0	0	0	0	1	0	5	3	0	1	0	0	1	20	6	0	0	
8	16	0	0	0	0	0	7	0	0	8	1	5	1	9	6	1	0	0	1	259	0	1	
0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	5	5	0	0	9	0	
1	0	0	0	0	0	0	2	0	8	0	0	0	0	0	0	0	2	0	0	0	0	13	

0.7127639055252075

cosine_proximity

406	0	0	0	1	0	2	0	2	2	0	2	0	0	2	1	0	0	0	0	0	0	0	
12	76	0	0	0	0	0	0	1	0	0	110	0	0	0	1	0	0	0	0	0	0	0	
1	0	58	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	
0	1	0	35	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	66	2	0	0	
4	0	0	1	192	0	1	2	0	1	1	0	0	0	1	1	0	10	0	0	0	0	0	
0	1	0	0	0	97	0	2	0	0	0	0	0	0	0	0	0	1	16	0	0	0	0	
0	0	0	0	1	0	531	0	122	0	0	1	0	0	0	1	1	0	0	0	0	0	0	
8	0	0	0	1	0	3	314	0	4	1	0	0	0	2	4	0	0	0	0	0	0	1	
0	0	0	0	1	0	195	3	266	0	2	2	4	0	0	0	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	4	0	84	0	0	0	0	0	1	0	2	0	0	0	0	5	
3	0	0	0	4	0	2	12	0	1	71	0	0	0	0	4	0	7	0	0	0	0	0	
84	12	0	0	0	0	4	0	0	0	0	205	0	0	0	1	0	0	0	0	0	0	0	
9	1	6	0	21	0	10	21	40	0	25	2	94	1	3	17	1	25	2	5	0	3	5	
1	0	0	0	0	1	1	3	0	1	2	0	1	51	1	0	0	7	1	0	0	0	1	
1	0	0	0	2	0	1	4	1	0	0	0	0	0	99	1	1	1	0	0	0	0	0	
7	0	0	0	3	0	3	12	2	1	2	2	0	0	0	601	1	8	1	0	0	0	0	
0	0	0	1	0	0	1	2	1	0	1	0	1	1	3	0	111	0	0	1	160	0	0	
5	0	0	0	46	0	2	2	1	2	1	0	0	0	0	0	0	141	0	0	0	0	1	
3	0	0	1	0	0	0	9	0	0	1	0	1	0	0	0	0	10	73	0	0	13	2	
0	0	0	8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	62	5	0	0	
6	14	0	0	0	0	0	8	0	1	8	0	4	0	14	3	0	1	0	1	263	0	0	
0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1	0	3	2	0	0	12	0	
2	0	0	0	1	0	0	6	0	2	0	0	0	0	0	0	0	2	0	0	0	0	13	

0.733307957649231

Adadelta

mean_squared_error

385	1	0	0	3	2	3	4	2	0	1	11	0	0	2	1	0	3	0	0	0	0	0	
50	69	0	0	0	0	2	1	2	0	1	72	0	0	0	2	0	0	1	0	0	0	0	
0	0	0	2	2	0	0	26	0	2	4	0	2	0	4	3	0	15	1	0	3	0	0	
0	1	0	23	0	2	0	33	0	4	3	0	16	0	0	3	0	2	3	0	17	0	0	
6	0	0	0	182	0	0	2	1	0	0	1	1	0	3	1	0	17	0	0	0	0	0	
0	0	0	1	0	93	0	4	0	0	0	0	0	0	0	1	1	1	10	0	6	0	0	
0	0	0	0	0	0	415	0	234	0	0	0	7	0	0	0	1	0	0	0	0	0	0	
28	0	0	0	3	0	3	267	1	0	4	1	0	0	4	18	0	8	0	0	1	0	0	
0	0	0	0	0	0	140	5	305	0	0	0	24	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	3	0	0	61	0	4	2	0	1	0	0	3	0	5	0	0	0	0	0	
5	0	0	0	3	1	2	65	0	0	11	1	0	0	0	4	0	12	0	0	0	0	0	
82	44	0	0	2	2	4	1	3	1	4	158	1	0	0	3	0	1	0	0	0	0	0	
10	1	0	10	11	0	8	86	25	4	3	3	92	0	1	14	1	15	4	0	3	0	0	
2	0	0	7	0	0	1	7	0	7	2	0	3	3	1	7	1	6	3	0	21	0	0	
1	0	0	0	2	0	0	7	2	0	0	0	0	0	96	0	2	0	0	0	1	0	0	
7	1	0	0	7	0	1	8	3	0	2	0	4	0	3	600	0	6	1	0	0	0	0	
0	0	0	0	0	0	1	2	1	0	2	0	4	0	2	0	117	0	0	0	154	0	0	
6	0	0	0	98	0	1	9	1	0	0	0	1	0	0	3	0	82	0	0	0	0	0	
8	0	0	0	0	0	0	20	0	2	4	0	1	0	0	3	0	32	43	0	0	0	0	
0	1	0	16	1	0	0	11	0	7	1	0	6	0	2	4	1	8	1	0	17	0	0	
8	13	0	2	2	0	0	35	0	9	8	3	5	0	18	6	0	1	1	0	212	0	0	
0	0	0	0	4	0	0	3	0	0	0	0	1	0	0	0	0	12	2	0	0	0	0	
9	0	0	0	1	0	0	12	0	0	0	1	0	0	1	0	0	2	0	0	0	0	0	

0.60053265094757 08

mean_absolute_error

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.124976225197315 22

mean_absolute_percentage_error

413	0	0	0	0	0	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
191	0	0	0	0	0	0	0	2	0	1	0	0	1	0	2	0	0	0	0	3	0	0	
2	0	0	0	0	0	0	3	0	0	4	0	0	0	40	15	0	0	0	0	0	0	0	
0	0	0	105	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
15	0	0	12	0	0	1	6	0	9	23	0	2	0	64	80	0	0	2	0	0	0	0	
0	0	0	3	0	103	0	0	0	0	0	0	1	0	1	0	0	0	8	0	1	0	0	
0	0	0	0	0	0	570	0	83	0	0	0	0	0	0	3	1	0	0	0	0	0	0	
1	0	0	0	0	0	3	332	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	212	1	254	0	0	0	4	0	0	1	0	0	0	0	1	0	0	
1	0	0	0	0	0	0	1	0	93	2	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
301	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	5	0	0	9	4	34	2	12	0	156	1	9	33	0	0	17	0	3	0	0	
0	0	0	0	0	0	1	0	0	5	3	0	0	58	2	2	0	0	0	0	0	0	0	
1	0	0	0	0	0	3	0	0	0	1	0	0	0	106	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	4	4	0	1	1	0	1	0	2	623	0	0	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	1	0	0	0	6	2	110	0	0	0	161	0	0	
10	0	0	1	0	0	2	7	1	19	31	0	0	0	24	67	0	0	39	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	3	0	1	0	2	0	0	0	104	0	0	0	0	
0	0	0	70	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0	0	
2	0	0	1	0	0	0	2	0	0	7	0	2	2	15	5	0	0	1	0	286	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
1	0	0	0	0	0	0	2	0	19	1	0	0	0	0	1	0	0	2	0	0	0	0	

0.64961004257202 15

mean_squared_logarithmic_error

336	0	0	0	7	1	5	5	1	0	0	2	4	0	0	31	22	0	0	0	4	0	0	
111	0	0	0	5	0	4	7	1	0	0	3	3	0	0	34	25	0	1	0	6	0	0	
17	0	0	0	4	2	0	5	3	0	0	0	0	0	0	11	20	0	0	0	2	0	0	
4	0	0	0	3	20	0	5	15	0	0	0	31	0	0	12	11	0	0	0	6	0	0	
110	0	0	0	32	1	2	14	1	0	0	0	13	0	0	14	19	0	0	0	8	0	0	
2	0	0	0	0	96	0	1	0	0	0	0	2	0	0	9	7	0	0	0	0	0	0	
0	0	0	0	4	1	516	0	128	0	0	0	5	0	0	2	1	0	0	0	0	0	0	
215	0	0	0	5	5	4	18	1	0	0	1	1	0	0	54	27	0	0	0	7	0	0	
1	0	0	0	0	5	277	1	178	0	0	0	7	0	0	4	1	0	0	0	0	0	0	
53	0	0	0	0	2	0	1	0	0	0	0	3	0	0	20	17	0	0	0	2	0	0	
71	0	0	0	0	2	2	1	0	0	0	0	0	0	0	23	3	0	0	0	2	0	0	
193	0	0	0	8	3	6	6	4	0	0	2	11	0	0	35	28	0	0	0	10	0	0	
27	0	0	0	22	16	42	11	69	0	0	0	3	56	0	0	25	9	0	0	0	11	0	
10	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	39	12	0	0	0	6	0	
45	0	0	0	1	0	2	0	1	0	0	0	0	0	0	0	2	59	0	0	0	1	0	
8	0	0	0	2	5	3	0	3	0	0	0	4	0	0	613	4	0	0	0	1	0	0	
8	0	0	0	1	13	1	5	3	0	0	1	18	0	0	55	127	0	0	0	51	0	0	
134	0	0	0	6	3	2	4	1	0	0	1	0	0	0	29	10	0	0	0	11	0	0	
47	0	0	0	0	8	0	6	0	0	0	0	7	0	0	21	16	0	4	0	4	0	0	
0	0	0	0	4	4	1	3	1	0	0	1	31	0	0	20	6	0	0	0	5	0	0	
38	0	0	0	5	4	0	3	1	0	0	7	9	0	0	60	156	0	1	0	39	0	0	
2	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3	14	0	0	0	0	0	0	
23	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	

0.38367891311645 51

squared_hinge

408	0	0	0	0	0	4	0	1	0	0	0	1	0	0	3	0	0	0	0	1	0	0	
152	0	0	0	0	0	2	0	1	0	0	0	7	0	0	6	0	0	0	0	32	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	12	0	0	0	0	30	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	8	0	0	2	0	0	0	0	87	0	0	
189	0	0	0	0	0	0	0	1	0	0	0	0	0	0	24	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	1	0	0	0	37	0	0	5	18	0	0	0	51	0	0	
0	0	0	0	0	0	475	0	170	0	0	0	12	0	0	0	0	0	0	0	0	0	0	
308	0	0	0	0	0	2	0	2	0	0	0	0	0	0	22	0	0	0	0	4	0	0	
4	0	0	0	0	0	183	0	272	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
94	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	1	0	0	
90	0	0	0	0	0	2	0	0	0	0	0	0	0	0	11	0	0	0	0	1	0	0	
259	0	0	0	0	0	4	0	3	0	0	0	5	0	0	14	0	0	0	0	21	0	0	
71	0	0	0	0	0	8	0	37	0	0	0	112	0	0	8	7	0	0	0	48	0	0	
14	0	0	0	0	0	1	0	0	0	0	0	2	0	0	5	0	0	0	0	49	0	0	
52	0	0	0	0	0	1	0	2	0	0	0	2	0	0	6	25	0	0	0	23	0	0	
10	0	0	0	0	0	2	0	3	0	0	0	5	0	0	617	2	0	0	0	4	0	0	
2	0	0	0	0	0	1	0	1	0	0	0	13	0	0	5	185	0	0	0	76	0	0	
181	0	0	0	0	0	2	0	1	0	0	0	0	0	0	14	0	0	0	0	3	0	0	
80	0	0	0	0	0	0	0	0	0	0	0	1	0	0	14	0	0	0	0	18	0	0	
0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	3	3	0	0	0	65	0	0	
64	0	0	0	0	0	0	0	1	0	0	0	1	0	0	14	4	0	0	0	239	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	0	9	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.43903365731239 32

hinge

0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	384	0	0	0	0	0	0	0	
0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	187	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	
0	0	0	0	0	0	39	0	0	0	0	0	0	0	0	68	0	0	0	0	0	0	0	
0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	207	0	0	0	0	0	0	0	
0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	
0	0	0	0	0	0	653	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	
0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	317	0	0	0	0	0	0	0	
0	0	0	0	0	0	468	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	
0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	278	0	0	0	0	0	0	0	
0	0	0	0	0	0	165	0	0	0	0	0	0	0	0	126	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	108	0	0	0	0	0	0	0	
0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	635	0	0	0	0	0	0	0	
0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	269	0	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	195	0	0	0	0	0	0	0	
0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	0	
0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	
0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	316	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	

0.24500665068626 404

categorical_hinge

411	0	0	0	1	0	3	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0
0	151	0	0	0	0	0	0	1	0	0	48	0	0	0	0	0	0	0	0	0	0	0
0	0	62	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	11	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	91	2	0	0
2	0	0	0	197	0	1	1	0	0	0	0	0	0	1	0	12	0	0	0	0	0	0
0	0	0	5	0	100	0	0	0	0	0	0	2	0	0	0	0	1	9	0	0	0	0
0	0	0	0	0	0	608	0	44	0	0	0	0	0	0	4	1	0	0	0	0	0	0
2	0	0	0	0	0	2	330	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0
0	0	0	0	1	0	307	1	160	0	1	0	3	0	0	0	0	1	0	0	0	0	0
1	0	0	0	1	0	0	2	0	91	0	0	0	1	0	1	0	0	1	0	0	0	0
1	0	0	0	1	0	2	0	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0
63	0	1	0	0	0	4	1	0	0	0	234	0	0	0	2	0	1	0	0	0	0	0
6	1	1	1	5	1	10	5	44	0	10	2	130	0	4	14	0	37	3	14	3	0	0
0	0	0	0	0	0	1	0	0	6	2	0	0	58	1	1	0	2	0	0	0	0	0
0	0	0	0	1	0	1	0	2	0	0	0	0	0	102	1	1	3	0	0	0	0	0
7	0	0	0	2	0	4	2	0	0	0	0	0	0	0	624	1	2	1	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	0	0	3	1	117	1	0	0	157	0	0
5	0	0	0	10	0	3	1	0	2	0	0	0	0	0	0	0	179	1	0	0	0	0
2	0	0	1	0	1	0	0	0	1	1	0	1	0	0	1	0	8	97	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	70	1	0	0
1	18	0	0	1	0	0	4	0	1	1	0	4	1	6	1	0	6	0	2	277	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	5	14	0	0	0	0
1	0	0	0	1	0	0	3	0	11	1	0	0	0	1	0	0	7	1	0	0	0	0

0.78143429756164455

logcosh

194	0	0	0	0	0	17	0	5	0	0	0	0	0	0	202	0	0	0	0	0	0	0
31	0	0	0	0	0	16	0	0	0	0	0	4	0	0	149	0	0	0	0	0	0	0
6	0	0	0	0	1	19	0	11	0	0	0	0	0	0	27	0	0	0	0	0	0	0
3	0	0	0	0	10	62	0	6	0	0	0	3	0	0	23	0	0	0	0	0	0	0
85	0	0	0	0	0	101	0	1	0	0	0	0	0	0	27	0	0	0	0	0	0	0
3	0	0	0	0	69	21	0	13	0	0	0	2	0	0	9	0	0	0	0	0	0	0
59	0	0	0	0	5	401	0	84	0	0	0	1	0	0	107	0	0	0	0	0	0	0
99	0	0	0	0	0	56	0	4	0	0	0	1	0	0	178	0	0	0	0	0	0	0
24	0	0	0	0	9	295	0	86	0	0	0	9	0	0	51	0	0	0	0	0	0	0
40	0	0	0	0	0	9	0	15	0	0	0	1	0	0	33	0	0	0	0	0	0	0
37	0	0	0	0	0	19	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0
109	0	0	0	0	2	21	0	1	0	0	0	5	0	0	168	0	0	0	0	0	0	0
46	0	0	0	0	7	165	0	16	0	0	0	3	0	0	54	0	0	0	0	0	0	0
10	0	0	0	0	3	11	0	4	0	0	0	4	0	0	39	0	0	0	0	0	0	0
13	0	0	0	0	0	49	0	9	0	0	0	2	0	0	38	0	0	0	0	0	0	0
78	0	0	0	0	7	188	0	85	0	0	0	6	0	0	279	0	0	0	0	0	0	0
12	0	0	0	0	14	95	0	23	0	0	0	11	0	0	128	0	0	0	0	0	0	0
73	0	0	0	0	0	84	0	0	0	0	0	1	0	0	43	0	0	0	0	0	0	0
19	0	0	0	0	0	27	0	24	0	0	0	2	0	0	41	0	0	0	0	0	0	0
2	0	0	0	0	3	30	0	4	0	0	0	7	0	0	30	0	0	0	0	0	0	0
23	0	0	0	0	11	102	0	19	0	0	0	29	0	0	139	0	0	0	0	0	0	0
2	0	0	0	0	0	10	0	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	13	0	0	0	0	0	0	0

0.19630968570709229

categorical_crossentropy

414	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
0	151	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0
1	0	0	0	209	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0
0	1	0	1	0	101	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	11	0
1	0	0	0	2	0	525	4	118	1	0	0	0	0	0	3	1	0	1	0	0	0	1
0	0	0	0	0	0	1	336	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
1	0	0	0	0	0	149	1	317	0	0	0	2	0	0	0	0	2	0	0	2	0	0
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3
1	0	0	0	1	0	0	1	0	0	100	0	0	0	0	0	0	1	0	0	0	0	0
65	0	0	0	1	0	1	1	0	0	0	230	0	0	0	5	0	3	0	0	0	0	0
2	1	0	1	3	0	8	2	27	0	1	3	176	0	5	14	0	32	4	2	3	5	2
0	0	0	0	0	0	1	1	0	0	0	0	1	59	1	1	0	6	0	0	0	0	1
0	0	0	0	2	0	0	2	0	0	0	0	0	0	105	0	0	2	0	0	0	0	0
7	0	0	0	3	0	1	5	1	0	0	0	1	0	1	616	0	8	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	2	0	0	0	2	1	71	0	0	0	204	0	0
2	0	0	0	7	0	0	0	0	1	0	0	0	0	0	0	0	190	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	7	92	0	1	9	1
0	0	0	7	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	1	0	0
2	18	0	0	1	0	0	1	0	1	1	0	2	4	5	3	0	4	2	1	278	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	18	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	21

0.8055925369262695

kullback_leibler_divergence

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	134	0	0	1	0	0	0	0	0	0	64	0	0	0	1	0	0	0	0	0	0	0
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	1	0
1	0	0	0	208	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	1
0	1	0	1	0	100	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	13	0
0	0	0	0	2	0	558	4	87	1	0	0	0	0	0	2	1	0	1	0	0	0	1
0	0	0	0	0	0	0	337	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	0	207	1	261	0	0	0	1	0	1	0	0	0	1	0	1	0	0
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	0	0	0	0	0	4
1	0	0	0	1	0	0	0	0	0	100	0	0	1	0	0	0	1	0	0	0	0	0
124	0	0	1	1	0	2	1	0	1	0	169	0	0	0	6	0	0	1	0	0	0	0
3	1	0	2	5	0	11	3	37	0	1	1	156	1	7	17	1	22	8	1	1	4	9
0	0	0	0	0	0	1	2	0	0	0	0	1	59	1	1	0	5	0	0	0	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0
7	0	0	0	3	0	2	4	1	0	0	0	1	0	1	617	0	7	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	2	0	4	2	115	0	0	0	157	0	0
1	0	0	0	7	0	0	1	1	1	0	0	0	0	0	0	0	0	0	189	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	97	0	0	5	2
0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	1	0	0
2	43	0	0	1	0	0	2	0	1	1	0	2	4	8	3	1	2	2	1	247	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	20	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	22

0.787140965461731

poisson

409	0	0	0	1	0	1	1	0	0	0	2	0	0	1	1	0	0	0	0	0	0	2
0	143	0	0	0	0	0	0	0	0	0	56	1	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
0	0	0	41	0	0	0	0	0	0	0	1	0	0	1	0	0	0	60	4	0	0	0
2	0	0	0	202	0	0	1	0	2	0	0	0	0	2	0	0	3	0	0	1	1	0
0	0	0	1	0	98	0	0	0	0	0	0	4	0	0	0	0	1	11	0	0	2	0
0	0	0	0	1	0	527	0	117	1	0	0	5	0	0	4	1	0	0	0	0	0	1
2	0	0	0	0	0	1	329	0	1	0	0	0	0	3	1	0	1	0	0	0	0	0
1	0	0	0	1	0	179	2	280	0	1	0	8	0	0	1	0	0	1	0	0	0	0
0	0	1	0	0	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	2
1	0	0	0	2	1	1	1	0	0	94	0	1	1	0	0	0	1	0	0	1	0	0
52	0	0	0	1	0	3	1	0	0	0	247	0	0	0	2	0	0	0	0	0	0	0
7	1	10	4	8	0	7	2	28	0	4	2	166	1	7	13	0	20	4	5	1	1	0
1	0	0	0	0	0	1	2	0	2	0	0	0	59	1	1	0	3	1	0	0	0	0
0	0	1	0	2	0	0	1	0	0	0	0	0	0	104	0	0	1	0	0	1	0	1
8	0	0	0	3	1	3	4	1	1	0	0	2	0	1	615	0	3	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	1	0	1	0	1	0	0	0	4	0	136	1	0	0	138	0	0
5	0	0	0	14	0	0	1	0	2	0	0	0	0	0	0	0	178	0	0	0	0	1
2	0	1	1	0	1	0	1	0	2	1	0	1	0	0	1	0	7	91	0	0	3	1
0	0	0	16	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	53	2	0	0
2	29	0	0	1	0	0	2	0	0	2	0	7	3	13	3	1	2	1	1	256	0	0
0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	1	0	0	16	0
1	0	0	0	1	0	0	1	0	7	0	0	0	0	0	0	0	1	0	0	0	0	15

0.8015978932380676

cosine_proximity

415	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
0	98	0	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0
0	0	62	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	25	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	79	1	0	0
2	0	0	0	206	0	1	0	0	1	0	0	0	0	2	1	0	1	0	0	0	0	0
0	0	0	5	0	101	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	8	0
2	0	0	0	2	0	591	4	49	0	0	0	3	0	0	5	1	0	0	0	0	0	0
1	0	0	0	0	0	0	336	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	0	245	4	209	0	1	1	6	0	2	3	0	0	0	0	1	0	1
1	0	1	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	0	0	0	0	7
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	2	1	0	0	0	248	0	0	0	0	0	0	0	0	0	0	0
11	1	1	2	4	0	8	12	10	1	4	2	164	0	9	23	0	14	5	1	2	5	12
1	0	0	0	0	0	1	1	0	2	0	0	1	59	0	2	0	3	0	0	0	0	1
0	0	0	0	3	0	0	1	0	0	0	0	0	0	106	0	0	1	0	0	0	0	0
8	0	0	0	2	0	3	4	0	1	0	0	0	0	1	621	0	2	1	0	0	0	0
1	0	0	1	0	0	2	0	1	1	0	0	0	0	3	1	70	0	0	0	203	0	0
5	0	0	0	18	0	3	1	0	1	0	0	0	0	1	0	0	171	0	0	0	0	1
4	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	102	0	0	2	1
0	0	0	12	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	59	3	0	0
2	39	1	0	0	0	0	1	0	3	1	0	3	3	11	3	0	0	0	1	254	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	19	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	22

0.7846680879592896

Adam

mean_squared_error

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	132	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	0	0	1	0	0	
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	94	1	0	0	
2	0	0	0	210	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
0	0	0	3	0	102	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	9	0	
2	0	0	0	3	0	564	2	77	1	0	0	1	0	0	5	1	0	0	0	0	0	1	
1	0	0	0	1	0	0	334	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	205	1	257	0	0	0	4	0	0	2	0	0	0	0	2	0	1	
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
195	0	0	0	1	0	2	1	0	0	0	106	0	0	0	1	0	0	0	0	0	0	0	
6	1	0	0	3	0	8	1	19	0	2	1	159	0	17	26	0	34	6	0	1	4	3	
0	0	0	0	0	0	1	1	1	0	1	0	1	57	2	2	0	4	0	0	0	0	1	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
8	0	0	0	5	0	2	2	0	0	0	0	0	0	1	622	0	2	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	5	1	112	2	0	0	160	0	0	
5	0	0	0	8	0	1	1	1	1	0	0	0	0	0	0	0	183	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	3	1	0	2	102	0	0	1	1	
0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	64	3	0	0	
2	5	0	0	0	0	0	2	1	2	1	0	2	1	10	3	0	1	0	1	291	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	19	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	20	

0.7844778299331665

mean_absolute_error

416	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
181	0	0	0	0	0	0	0	2	0	0	0	6	0	0	4	0	0	0	0	7	0	0	
12	0	0	0	0	0	0	18	0	0	0	0	0	0	0	33	0	0	1	0	0	0	0	
1	0	0	0	0	0	0	8	0	0	0	0	16	1	0	44	2	0	1	0	34	0	0	
69	0	0	0	0	0	1	8	0	0	0	0	43	1	0	90	0	0	1	0	1	0	0	
0	0	0	0	0	101	0	0	0	0	0	0	3	0	0	0	0	0	12	0	1	0	0	
0	0	0	0	0	0	571	0	82	0	0	0	0	0	0	3	1	0	0	0	0	0	0	
1	0	0	0	0	0	0	3	333	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
1	0	0	0	0	0	228	1	238	0	0	0	6	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	23	0	0	0	0	1	54	0	12	0	0	6	0	0	0	
8	0	0	0	0	1	2	20	0	0	0	0	0	6	3	0	42	0	0	14	0	8	0	
302	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	9	7	30	0	0	0	192	0	0	24	1	0	15	0	1	0	0	
3	0	0	0	0	0	1	2	0	0	0	0	0	61	0	4	0	0	0	0	0	0	0	
2	0	0	0	0	0	1	5	2	0	0	0	1	0	0	12	76	0	0	0	12	0	0	
7	0	0	0	0	0	4	2	0	0	0	0	2	0	0	627	0	0	1	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4	125	0	0	0	152	0	0	
60	0	0	0	0	0	2	14	1	0	0	0	15	2	0	71	0	0	36	0	0	0	0	
6	0	0	0	0	0	0	2	0	0	0	0	2	0	0	1	0	0	102	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	11	0	0	4	0	53	0	0	
3	0	0	0	0	0	0	6	0	0	0	0	7	2	0	5	1	0	1	0	298	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	0	0	0	0	
5	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7	0	0	6	0	1	0	0	

0.5828419327735901

mean_absolute_percentage_error

414	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
197	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
19	0	0	0	0	0	0	5	0	0	2	0	0	0	26	11	0	0	1	0	0	0	0	
18	0	0	0	0	1	0	13	0	0	16	0	0	0	5	21	0	0	3	0	30	0	0	
125	0	0	0	0	0	1	3	0	0	21	0	2	0	30	32	0	0	0	0	0	0	0	
0	0	0	0	0	104	0	0	0	0	0	0	0	0	1	0	0	0	12	0	0	0	0	
0	0	0	0	0	0	546	0	105	0	0	0	0	0	1	5	0	0	0	0	0	0	0	
4	0	0	0	0	0	3	329	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	183	1	282	0	2	0	3	0	0	1	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	20	0	0	12	0	0	41	6	9	0	0	1	0	0	0	0	
2	0	0	0	0	0	2	2	0	0	96	0	0	1	0	1	0	0	0	0	0	0	0	
302	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36	0	0	0	0	0	12	7	26	0	20	0	137	1	5	29	1	0	16	0	1	0	0	
3	0	0	0	0	0	1	1	0	0	4	0	0	59	1	2	0	0	0	0	0	0	0	
1	0	0	0	0	0	2	2	0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	4	4	0	0	0	0	0	0	3	621	0	0	1	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	1	0	0	0	5	1	86	0	0	0	188	0	0	
92	0	0	0	0	0	2	5	1	0	32	0	0	0	11	53	0	0	5	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	102	0	0	0	0	
0	0	0	0	0	0	0	5	0	0	6	0	0	5	0	8	0	0	5	0	47	0	0	
17	0	0	0	0	0	0	3	0	0	3	0	2	3	12	3	0	0	2	0	278	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	19	0	0	0	0	
7	0	0	0	0	0	0	4	0	0	1	0	0	1	3	8	0	0	1	0	1	0	0	

0.60110330581665O4

mean_squared_logarithmic_error

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	89	0	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	1	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	
0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	0	0	
2	0	0	0	210	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
0	0	0	2	0	100	0	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	10	0
3	0	0	0	3	0	459	2	178	1	0	0	0	0	0	8	1	0	1	0	0	0	1	
2	0	0	0	1	0	0	333	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
2	0	0	0	0	0	87	1	374	0	1	0	6	0	0	1	0	2	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
140	0	0	0	1	0	1	1	0	0	0	162	0	0	0	1	0	0	0	0	0	0	0	
7	1	0	1	4	0	7	0	20	0	1	1	185	0	8	20	0	14	10	1	0	4	7	
2	0	0	0	0	0	1	0	0	2	0	0	1	59	2	2	0	0	1	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	107	1	0	2	0	0	0	0	
8	0	0	0	5	0	1	1	1	0	0	0	0	0	1	622	1	2	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	1	0	2	4	130	0	0	0	143	0	0	
6	0	0	0	10	0	0	1	0	1	0	0	0	0	0	0	0	0	182	1	0	0	0	
3	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	3	99	0	0	3	1	
0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	69	0	0	0	
2	13	1	0	0	0	0	0	0	3	0	0	6	1	7	4	0	2	1	1	277	0	5	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22	

0.7960814237594604

squared_hinge

416	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	199	1	0	0	0	0	0	0	0	0	0	0	
0	0	60	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	101	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	4	0	0	
3	0	0	0	196	0	0	0	0	1	2	0	0	0	1	1	0	10	0	0	0	0	0	
0	0	1	0	0	104	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	0	
2	0	0	0	0	0	548	2	94	1	1	0	2	0	1	6	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	335	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
2	0	0	0	1	0	203	2	260	0	0	0	2	0	0	1	0	2	0	0	1	0	0	
0	0	0	0	1	0	0	1	0	94	0	0	0	0	0	1	0	0	1	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	
96	0	0	0	0	0	3	1	0	0	0	206	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	1	3	0	10	2	26	1	5	2	150	0	5	19	0	41	14	0	1	0	0	
0	0	0	0	0	0	1	1	0	4	3	0	0	56	1	1	0	4	0	0	0	0	0	
0	0	0	0	1	0	0	1	1	0	0	0	0	0	106	0	1	1	0	0	0	0	0	
7	0	0	0	3	0	1	4	2	0	0	0	0	0	1	623	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	4	3	94	1	0	0	177	0	0
5	0	0	0	5	0	0	1	0	2	2	0	0	0	1	1	0	183	1	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	107	0	1	0	0	
0	0	0	68	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	
1	0	0	0	1	0	0	3	3	3	1	0	1	0	6	3	0	2	3	0	296	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	18	0	0	0	0	
1	0	0	0	0	0	0	1	0	19	0	0	0	0	0	0	0	4	1	0	0	0	0	

0.7683089375495911

hinge

0	0	0	0	0	0	418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

0.124976225197315222

categorical_hinge

414	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
0	118	0	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	91	0	0	0	0
2	0	0	0	206	0	1	0	0	0	0	0	0	1	1	0	3	0	0	0	0	0	0	0
0	0	0	4	0	99	0	0	0	0	1	0	2	0	0	0	1	1	1	0	8	0		
1	0	0	0	0	0	577	0	76	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	1	0	2	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	199	1	264	0	2	0	4	0	0	1	0	0	0	0	1	0	0	0
2	0	1	0	1	0	0	2	0	88	1	0	0	0	0	1	0	2	0	0	0	0	0	0
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	1	0	3	1	0	0	0	218	0	0	0	0	0	1	0	0	0	0	0	0
4	1	1	0	3	0	16	4	25	0	11	2	150	0	12	14	0	39	1	0	1	7	0	0
0	0	0	0	0	0	1	1	0	2	3	0	1	57	1	0	0	4	0	1	0	0	0	0
0	0	0	0	2	0	3	2	0	0	0	0	0	0	102	0	0	2	0	0	0	0	0	0
8	0	0	0	4	0	4	3	1	0	0	0	1	0	1	613	0	7	1	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	1	0	1	0	5	0	98	1	0	0	174	0	0	0
5	0	0	0	4	0	3	1	0	0	0	0	0	0	0	0	0	187	1	0	0	0	0	0
4	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	7	91	0	0	7	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	2	0	0	0
3	11	1	0	1	0	0	2	0	1	5	0	2	0	7	2	0	4	0	1	283	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	0
2	0	0	0	1	0	0	2	0	8	1	0	0	0	1	2	0	7	1	0	0	1	0	0

0.7928476333618164

logcosh

416	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	129	0	0	0	0	0	1	0	0	0	69	0	0	0	0	0	0	0	0	1	0	0	
0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	94	2	0	0	
2	0	0	1	208	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	1	0	104	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	5	0	
3	0	0	0	2	0	587	4	51	1	0	0	0	0	0	6	1	0	1	0	0	0	1	
2	0	0	0	0	0	0	334	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
2	0	0	0	0	0	244	1	220	0	0	0	3	0	0	1	0	0	1	0	1	0	1	
1	0	0	0	0	0	0	1	0	88	0	0	0	0	0	1	0	0	0	0	0	0	7	
1	0	0	0	1	0	0	2	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
151	0	0	0	1	0	1	1	0	0	0	150	0	0	0	0	0	1	0	0	0	0	1	
5	1	0	0	3	0	6	6	17	0	2	2	167	0	6	19	1	16	15	1	4	4	16	
0	0	0	0	0	0	1	1	0	1	0	0	1	57	1	1	0	6	0	0	0	0	2	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
8	0	0	0	4	0	1	6	0	1	0	0	0	0	1	618	0	2	1	0	0	0	1	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	5	0	87	0	1	0	187	0	0	
5	0	0	0	12	0	1	1	0	2	0	0	0	0	0	0	0	178	0	0	0	0	2	
2	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	102	0	0	5	1	
0	0	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	66	2	0	0	
1	6	0	0	1	0	0	3	0	0	2	0	2	0	9	3	1	1	0	1	291	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	21	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7842876315116882

categorical_crossentropy

416	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	139	0	0	0	0	0	0	0	0	0	60	0	0	0	1	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	101	1	0	0	
2	0	0	0	208	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	
0	0	0	1	0	100	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	10	0	
2	0	0	0	1	0	516	3	130	1	0	0	1	0	1	1	0	0	1	0	0	0	0	
1	0	0	0	0	0	1	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	167	1	297	0	0	0	7	0	0	0	0	1	0	0	0	0	0	
1	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	1	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
123	0	0	0	1	0	1	1	0	0	0	176	0	0	1	3	0	0	0	0	0	0	0	
3	1	0	0	2	0	8	3	26	0	1	2	175	0	7	14	0	23	12	2	2	4	6	
0	0	0	0	0	0	1	2	0	2	0	0	1	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
8	0	0	0	3	0	1	4	2	0	0	0	1	0	1	619	0	3	1	0	0	0	0	
0	0	0	1	0	0	1	1	1	0	1	0	0	0	1	1	78	1	0	0	197	0	0	
4	0	0	0	6	0	0	1	1	1	0	0	0	0	0	0	0	187	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7	98	0	1	1	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	71	1	0	0	
1	16	0	0	1	0	0	4	0	1	1	0	2	1	7	2	1	2	1	1	281	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	22	

0.7922769784927368

kullback_leibler_divergence

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	93	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	101	0	0	0	
2	0	0	0	206	0	0	0	1	0	0	0	0	0	4	1	0	0	0	0	0	0	0	
0	1	0	1	0	100	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	10	0	
2	0	0	0	0	0	520	4	123	1	0	0	0	0	1	4	0	0	1	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
1	0	0	0	0	0	136	1	331	0	0	0	2	0	0	1	0	1	0	0	1	0	0	
2	0	0	0	1	0	0	1	0	81	0	0	0	0	0	1	0	1	2	0	0	0	9	
2	0	0	0	1	0	0	1	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
120	0	0	0	0	0	2	1	0	0	0	182	0	0	0	1	0	0	0	0	0	0	0	
8	1	0	0	4	0	7	1	38	0	1	2	173	0	5	10	0	24	9	1	1	4	2	
1	0	0	0	0	0	1	1	1	0	1	0	1	58	1	1	0	4	0	0	0	0	1	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	108	1	0	1	0	0	0	0	0	
8	0	0	0	3	0	1	4	2	0	0	0	2	0	1	615	0	6	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	3	2	52	0	0	1	222	0	0	
6	0	0	0	10	0	0	1	0	0	0	0	0	0	0	0	0	183	0	0	0	0	1	
3	0	0	0	0	0	0	1	0	0	0	0	1	0	2	1	0	1	101	0	0	2	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	71	1	0	0	
5	15	0	0	0	0	0	2	1	0	1	0	1	1	9	3	0	2	1	2	280	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	20	0	
2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	

0.7835267186164856

poisson

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	142	0	0	1	0	0	0	0	0	0	56	0	0	0	1	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	98	1	0	0	
2	0	0	0	207	0	0	0	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	
0	0	0	1	0	100	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0	0	8	0
0	0	0	0	2	0	580	3	60	2	0	0	0	0	1	7	0	0	1	0	0	0	1	
0	0	0	0	1	0	1	332	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	
1	0	0	0	0	0	248	1	217	0	0	0	4	0	0	1	0	1	0	0	1	0	0	
1	0	0	0	0	0	0	1	0	91	0	0	0	0	0	1	0	0	0	0	0	0	4	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
123	0	0	0	1	0	2	1	0	0	0	175	0	0	0	4	0	0	0	0	0	0	0	
4	1	1	0	4	0	9	0	39	1	3	2	148	0	23	22	0	16	10	0	1	5	2	
0	0	0	0	0	0	1	0	0	3	0	0	1	59	1	1	0	4	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	108	0	0	2	0	0	0	0	0	
7	0	0	0	4	0	2	3	1	0	0	0	0	0	1	621	0	4	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
5	0	0	0	9	0	0	1	0	3	0	0	0	0	0	0	0	182	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	102	0	0	5	1	
0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	70	1	0	0	
2	13	0	0	0	0	0	0	0	1	1	0	1	2	11	3	0	2	4	1	281	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7882822751998901

cosine_proximity

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	63	0	0	0	0	0	0	0	0	0	136	0	0	0	0	0	0	0	0	1	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
1	0	0	13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	92	0	0	0	
2	0	0	1	207	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	
0	0	0	3	0	100	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	10	0	
3	0	0	0	3	0	514	1	126	1	0	0	0	0	1	5	0	0	0	0	1	0	2	
2	0	0	0	1	0	0	334	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	1	0	0	0	138	1	325	0	0	1	3	0	0	1	0	1	0	0	1	0	1	
1	0	0	0	1	0	0	1	0	88	1	0	0	0	0	1	0	0	1	0	0	0	4	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
154	0	0	0	0	0	1	1	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0	
12	1	0	0	2	0	8	2	16	0	5	3	169	0	7	27	0	15	5	4	2	7	6	
0	0	0	0	0	0	1	1	0	0	2	0	1	57	1	2	0	4	1	0	0	0	1	
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
8	0	0	0	2	0	2	3	0	0	1	0	0	0	1	623	0	2	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	0	0	4	4	64	0	0	0	208	0	0	
6	0	0	0	7	0	1	1	0	1	0	0	0	0	0	0	0	184	0	0	0	0	1	
4	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	4	96	0	0	4	1	
0	0	2	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	69	0	0	0	
2	10	3	0	0	0	0	1	0	1	1	0	2	0	8	5	0	2	0	1	284	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22	

0.7743960618972778

Adamax

mean_squared_error

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	142	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0
1	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	17	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	88	0	0	0
2	0	0	1	200	0	0	0	0	0	1	0	0	0	0	1	0	9	0	0	0	0	0
0	0	1	1	0	99	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	13	0
2	0	0	0	2	0	513	1	131	0	0	0	2	0	0	4	1	0	0	0	0	0	1
1	0	0	0	0	0	1	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	134	1	326	0	0	0	6	0	0	1	0	3	0	0	0	0	1
0	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	2	0	0	0	0	7
1	0	0	0	1	0	2	1	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	1	0	2	1	0	0	0	179	0	0	0	1	0	0	0	0	0	0	1
10	1	3	0	2	0	9	5	11	0	5	1	150	1	8	13	0	54	4	1	0	9	4
0	0	0	0	0	0	1	1	0	2	2	0	0	56	1	1	0	6	1	0	0	0	0
0	0	0	0	2	0	0	1	0	0	1	0	0	0	103	1	0	2	0	0	0	0	1
8	0	0	0	3	0	2	3	0	0	0	0	0	0	1	618	0	7	1	0	0	0	0
0	0	0	1	0	0	1	0	1	0	1	0	1	0	3	1	60	2	0	0	212	0	0
5	0	0	0	6	0	0	1	0	0	0	0	1	0	0	0	0	187	0	0	0	1	0
3	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	6	93	0	0	7	1
0	0	0	7	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	59	4	0	1
2	10	0	0	0	0	0	2	0	1	1	0	7	3	8	1	0	5	2	1	279	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	19	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21

0.7839071750640869

mean_absolute_error

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0

0.12231310456991196

mean_absolute_percentage_error

0	0	0	0	0	0	3	219	3	0	0	0	30	0	0	163	0	0	0	0	0	0	0
0	0	0	0	0	0	1	56	1	0	0	0	61	0	0	81	0	0	0	0	0	0	0
0	0	0	0	0	0	0	35	0	0	0	0	7	0	0	22	0	0	0	0	0	0	0
0	0	0	0	0	0	0	24	0	0	0	0	13	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	2	104	2	0	0	0	11	0	0	95	0	0	0	0	0	0	0
0	0	0	0	0	0	0	14	1	0	0	0	91	0	0	11	0	0	0	0	0	0	0
0	0	0	0	0	0	571	0	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	334	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	217	2	251	0	0	0	3	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	92	0	0	0	0	2	0	0	4	0	0	0	0	0	0	0
0	0	0	0	0	0	2	53	0	0	0	0	2	0	0	47	0	0	0	0	0	0	0
0	0	0	0	0	0	4	118	2	0	0	0	69	0	0	113	0	0	0	0	0	0	0
0	0	0	0	0	0	9	35	43	0	0	0	161	0	0	43	0	0	0	0	0	0	0
0	0	0	0	0	0	1	18	0	0	0	0	33	0	0	19	0	0	0	0	0	0	0
0	0	0	0	0	0	1	27	2	0	0	0	9	0	0	72	0	0	0	0	0	0	0
0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	634	0	0	0	0	0	0	0
0	0	0	0	0	0	1	28	1	0	0	0	157	0	0	96	0	0	0	0	0	0	0
0	0	0	0	0	0	2	124	1	0	0	0	13	0	0	61	0	0	0	0	0	0	0
0	0	0	0	0	0	0	63	0	0	0	0	6	0	0	44	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	66	0	0	0	0	0	0	0
0	0	0	0	0	0	0	55	1	0	0	0	118	0	0	149	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0	0	2	0	0	15	0	0	0	0	0	0	0
0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0

0.3711242079734802

mean_squared_logarithmic_error

416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
0	118	0	0	0	0	0	0	0	0	0	80	2	0	0	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
0	0	0	19	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	85	1	0	0
4	0	0	1	201	0	0	0	0	1	1	0	0	0	1	1	0	4	0	0	0	0	0
0	0	0	10	0	99	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	4	0
1	0	0	0	1	0	558	1	90	0	0	0	0	0	0	4	1	0	0	0	0	0	1
2	0	0	0	1	0	1	331	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
2	0	0	0	0	0	199	1	266	0	0	0	3	0	0	1	0	0	0	0	1	0	1
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	6
1	0	0	0	1	0	2	0	0	0	99	0	0	0	0	0	0	1	0	0	0	0	0
156	0	0	0	1	0	3	1	0	0	0	144	0	0	0	1	0	0	0	0	0	0	0
8	1	0	1	4	0	8	2	21	0	5	1	157	0	7	16	0	42	7	3	1	1	6
0	0	0	0	0	0	1	0	0	4	1	0	0	59	1	1	0	4	0	0	0	0	0
0	0	0	0	2	0	0	0	1	0	1	0	0	0	104	0	1	2	0	0	0	0	0
8	0	0	0	4	0	3	3	1	0	0	0	1	0	1	619	0	1	1	0	0	0	1
0	0	0	1	0	0	2	0	0	0	0	0	1	0	3	1	107	2	0	0	166	0	0
5	0	0	0	4	0	2	1	1	2	0	0	0	0	0	0	0	185	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	6	101	0	0	0	1
0	0	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	67	1	0	0
1	4	2	0	0	0	0	2	0	2	1	0	13	1	7	5	0	3	1	1	276	0	4
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	17	0
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	21

0.7827658653259277

squared_hinge

415	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	199	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	102	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0
1	0	0	0	189	0	1	0	0	1	1	0	0	0	4	0	0	17	0	0	0	0	0
0	0	0	7	0	97	0	0	0	2	0	0	0	0	0	0	0	2	9	0	0	0	0
0	0	0	0	0	0	548	0	106	0	0	0	1	0	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	3	330	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
1	0	0	0	0	0	156	1	308	0	1	0	5	0	0	1	0	1	0	0	0	0	0
1	0	0	0	0	0	0	2	0	93	0	0	0	0	0	1	0	0	1	0	0	0	0
2	0	0	0	0	0	2	0	0	0	99	0	0	1	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	4	0	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0
12	0	2	2	5	0	9	4	33	2	2	1	131	0	22	15	1	44	6	0	0	0	0
0	0	0	0	0	0	1	1	0	3	1	0	0	57	1	1	0	5	1	0	0	0	0
1	0	0	0	1	0	2	1	0	0	0	0	0	0	103	0	3	0	0	0	0	0	0
8	0	0	0	6	0	4	2	1	0	0	0	1	0	1	616	0	3	1	0	0	0	0
0	0	0	1	0	0	2	0	0	1	0	0	0	0	5	0	124	0	2	0	148	0	0
5	0	0	0	8	0	2	1	1	1	1	0	0	0	0	0	0	180	2	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	3	103	0	0	0	0
0	0	0	61	0	0	0	0	0	0	0	0	0	4	1	0	0	2	0	0	8	0	0
4	0	0	1	1	0	0	3	0	2	4	6	5	4	18	1	1	4	0	0	269	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
3	0	0	0	1	0	0	2	0	11	0	0	0	0	2	0	0	5	2	0	0	0	0

0.7568955421447754

hinge

416	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
3	191	0	0	0	0	2	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	1	0	5	10	0	4	0	0	1	0	0	42	0	0	0	0
0	1	0	0	0	0	0	8	0	0	3	0	13	0	0	14	0	0	39	0	29	0	0
9	0	0	0	0	0	1	8	0	7	129	0	2	0	0	26	0	0	31	0	1	0	0
0	0	0	0	0	99	0	0	0	1	1	0	1	0	0	0	0	0	14	0	1	0	0
0	0	0	0	0	0	656	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	2	326	0	5	1	0	1	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	460	1	0	0	3	0	8	0	0	0	0	0	2	0	0	0	0
1	0	0	0	0	0	0	0	0	96	0	0	0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	2	1	0	1	98	0	0	0	0	0	0	0	1	0	0	0	0
281	18	0	0	0	0	5	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
6	2	0	0	0	0	22	5	0	8	48	0	146	0	0	21	0	0	31	0	2	0	0
0	0	0	0	0	1	1	0	0	20	6	0	10	0	0	0	0	0	23	0	10	0	0
1	8	0	0	0	0	3	3	0	0	18	0	1	0	0	5	0	0	5	0	67	0	0
9	0	0	0	0	0	5	4	0	0	1	0	1	0	0	613	0	0	10	0	0	0	0
0	1	0	0	0	0	2	1	0	0	1	0	0	0	0	2	0	0	1	0	275	0	0
7	0	0	0	0	0	2	12	0	10	109	0	1	0	0	25	0	0	35	0	0	0	0
3	1	0	0	0	0	0	5	0	5	27	0	1	0	0	3	0	0	67	0	1	0	0
0	0	0	0	0	0	0	2	0	1	3	0	5	0	0	3	0	0	16	0	46	0	0
1	21	0	0	0	0	0	2	0	3	12	0	2	0	0	2	0	0	2	0	278	0	0
0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	18	0	0	0	0
1	1	0	0	0	0	0	1	0	22	1	0	0	0	0	0	0	0	0	0	0	0	0

0.5680045485496521

categorical_hinge

416	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	66	0	0	1	0	0	0	1	0	0	132	0	0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	84	1	0	0	
2	0	0	0	197	0	2	0	0	0	0	0	0	0	1	1	0	11	0	0	0	0	0	
1	0	2	5	0	104	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	1	0	
0	0	0	0	0	0	610	0	45	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
3	0	0	0	0	0	3	331	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	275	1	191	0	0	0	5	0	0	0	0	0	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	0	1	0	0	0	7	
1	0	0	0	1	0	2	1	0	0	95	0	0	1	0	2	0	1	0	0	0	0	0	
157	0	0	0	0	0	4	0	0	0	0	145	0	0	0	0	0	0	0	0	0	0	0	
11	1	1	0	2	0	15	1	25	1	6	2	148	0	6	17	0	39	3	1	0	6	6	
0	0	0	0	0	0	1	0	0	3	2	0	1	56	1	1	0	3	1	0	0	0	2	
1	0	1	0	2	0	3	0	0	0	1	0	0	0	100	0	1	1	0	0	0	0	1	
8	0	0	0	4	0	4	3	0	0	0	0	1	0	0	619	0	2	1	0	0	0	1	
0	0	0	1	0	0	2	1	0	0	1	0	0	0	3	1	91	1	1	0	181	0	0	
6	0	0	0	7	0	3	1	0	3	0	0	0	0	0	0	0	180	1	0	0	0	0	
3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	9	95	0	0	0	2	
0	0	0	7	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	63	1	0	0	
3	16	0	0	0	0	0	2	0	3	6	1	3	0	6	2	0	4	3	1	271	0	2	
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	4	0	0	13	0	
2	0	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	18	

0.7559444308280945

logcosh

414	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	
0	119	0	0	0	0	0	0	0	0	0	80	0	0	0	1	0	0	0	0	0	0	0	
0	0	59	0	0	0	0	1	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	
1	0	0	27	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	74	2	0	0	
2	0	0	0	203	0	1	2	0	1	0	0	0	0	1	1	0	3	0	0	0	0	0	
0	0	1	1	0	98	0	1	0	0	0	0	0	0	0	0	0	2	2	0	0	12	0	
2	0	0	0	1	0	560	1	89	0	0	0	0	0	1	3	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	331	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	
2	0	0	0	0	0	220	2	243	0	1	0	4	0	0	1	0	0	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	6	
1	0	0	0	1	0	2	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	
146	0	0	0	0	0	3	0	0	0	0	154	0	0	0	2	0	1	0	0	0	0	0	
8	1	2	1	6	0	8	12	29	0	6	2	140	0	6	21	1	27	6	5	0	8	2	
0	0	0	0	0	0	1	0	0	3	2	0	1	56	1	1	0	4	1	0	0	0	1	
0	0	0	0	1	0	1	0	0	0	0	0	0	0	107	1	0	1	0	0	0	0	0	
9	0	0	0	2	0	4	2	0	0	0	0	0	0	1	622	0	2	1	0	0	0	0	
0	0	0	1	0	0	1	1	1	0	2	0	1	0	3	0	134	1	0	0	138	0	0	
5	0	0	0	4	0	3	1	0	0	0	0	0	0	0	0	0	187	0	0	0	0	1	
3	0	0	1	0	0	0	1	0	0	1	0	1	0	0	1	0	3	98	0	0	3	1	
0	0	0	10	0	0	0	0	0	0	0	0	2	4	1	1	0	0	0	56	1	0	1	
1	7	1	0	0	0	0	4	0	2	5	0	4	0	7	4	1	1	0	0	286	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	18	0	
1	0	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	19	

0.7837169766426086

categorical_crossentropy

416	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	147	0	0	0	0	0	0	0	0	0	51	2	0	0	0	0	0	0	0	0	0	0	
0	0	57	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	1	0	0	0	1	
0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	74	1	0	0	
2	0	0	0	205	0	0	1	0	2	0	0	0	0	2	1	0	1	0	0	0	0	0	
0	1	0	1	0	98	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	13	0	
0	0	0	0	1	0	541	2	104	1	0	0	0	0	0	5	1	0	1	0	0	0	1	
1	0	0	0	0	0	0	333	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	
1	0	0	0	0	0	170	1	293	0	0	0	7	0	0	1	0	0	0	0	1	0	0	
0	0	0	0	0	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	3	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
166	0	0	0	1	0	3	1	0	0	0	131	0	0	0	3	0	0	0	0	0	0	1	
9	1	1	1	8	0	9	1	26	0	2	1	173	1	7	11	0	19	8	0	0	8	5	
0	0	0	0	0	0	1	0	1	3	0	0	1	57	1	1	0	3	2	0	1	0	0	
0	0	0	0	1	0	0	0	0	1	0	0	0	0	106	0	1	2	0	0	0	0	0	
10	0	0	0	4	0	1	5	0	0	0	0	1	0	1	616	0	4	1	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	0	0	4	1	102	0	0	0	172	0	0	
5	0	0	0	11	0	0	1	0	3	0	0	0	0	0	0	0	180	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	103	0	0	6	1	
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	59	1	0	0	
2	35	0	0	0	0	0	1	0	1	1	0	5	2	8	3	1	2	2	1	255	2	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	20	0	
1	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	2	0	0	0	0	19	

0.7869507074356079

kullback_leibler_divergence

413	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	
0	119	0	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
0	0	0	34	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	68	2	0	0	
2	0	0	0	204	0	0	1	0	2	1	0	0	0	1	0	0	2	0	0	0	1	0	
0	1	0	1	0	97	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	14	1	
2	0	0	0	1	0	558	2	84	1	1	0	0	0	0	5	1	0	1	0	0	0	1	
1	0	0	0	1	0	0	333	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
2	0	0	0	0	0	206	1	258	0	0	0	4	0	0	1	0	1	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	84	0	0	0	0	0	1	0	0	1	0	0	0	9	
1	0	0	0	1	0	1	0	0	0	100	0	0	0	0	0	0	0	1	0	0	0	0	
132	0	0	0	1	0	3	1	0	0	0	165	0	0	0	3	0	0	0	0	0	0	1	
4	1	3	0	7	0	8	2	31	0	3	1	158	0	7	13	0	26	6	2	0	9	10	
0	0	0	0	0	0	1	0	0	3	2	0	1	60	0	2	0	2	0	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	106	0	0	2	0	0	0	0	2	
8	0	0	0	4	0	2	4	0	1	0	0	0	0	0	1	619	0	2	1	0	0	1	
0	0	0	1	0	0	2	0	0	0	0	0	0	0	4	0	89	2	0	0	185	0	0	
5	0	0	0	16	0	0	1	0	2	0	0	0	0	0	0	0	176	1	0	0	0	0	
2	0	0	0	0	0	0	0	0	1	1	0	2	0	0	1	0	2	96	0	0	7	1	
0	0	0	14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	58	2	0	0	
3	6	0	0	0	0	0	2	0	1	1	1	4	5	7	2	1	3	0	1	284	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	22	

0.7827658653259277

poisson

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	92	0	0	1	0	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	
0	0	59	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	
0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	63	2	0	0	
2	0	0	1	205	0	0	1	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0	
0	1	0	6	1	97	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	9	1	
4	0	0	0	2	0	572	3	65	1	0	0	0	0	0	6	1	0	1	0	1	0	1	
1	0	0	0	1	0	0	334	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
3	0	0	0	0	0	220	3	239	0	0	0	2	0	0	2	0	2	0	0	0	1	2	
1	0	0	0	0	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	6	
1	0	0	0	1	0	0	1	0	0	99	0	0	1	0	0	0	1	0	0	0	0	0	
142	0	0	0	1	0	2	1	0	0	0	155	0	0	0	4	0	0	0	0	0	0	1	
10	2	2	0	3	0	10	3	12	0	4	2	144	0	8	11	0	58	4	1	0	12	5	
2	0	0	0	0	0	1	0	0	3	0	0	1	56	1	1	0	4	1	0	0	0	1	
1	0	0	0	2	0	0	1	0	0	0	0	0	0	104	0	0	2	0	0	0	0	1	
8	0	0	0	3	0	3	4	0	0	0	0	1	0	1	618	0	3	1	0	0	1	0	
0	0	0	1	0	0	2	1	0	0	1	0	1	0	4	0	124	1	0	0	148	0	0	
5	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0	0	185	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	9	92	0	0	5	2	
0	0	1	31	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	37	1	0	0	
4	29	1	0	0	0	0	4	0	1	0	2	5	4	8	4	0	5	7	1	242	3	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	19	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	24	

0.769260048866272

cosine_proximity

415	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
0	110	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	
0	0	63	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	93	1	0	0	
3	0	0	0	201	0	0	1	0	1	0	0	0	0	3	1	0	4	0	0	0	0	0	
0	0	0	1	0	100	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	12	1	
2	0	0	0	2	0	535	4	103	1	0	0	2	0	0	6	1	0	0	0	0	0	1	
1	0	0	0	1	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	1	0	155	2	306	0	0	0	5	0	0	1	0	0	0	0	1	0	1	
0	0	0	0	1	0	0	1	0	92	0	0	0	0	0	1	0	0	0	0	0	0	3	
1	0	0	0	1	0	1	0	0	0	99	0	1	1	0	0	0	0	0	0	0	0	0	
151	0	0	0	1	0	2	1	0	0	0	151	0	0	0	0	0	0	0	0	0	0	0	
7	1	0	2	2	0	8	6	13	2	2	3	148	1	9	16	0	56	5	2	0	2	6	
0	0	0	0	0	0	1	0	0	3	2	0	0	59	1	1	0	4	0	0	0	0	0	
0	0	0	0	2	0	0	0	0	0	0	0	0	0	106	0	1	2	0	0	0	0	0	
8	0	0	0	3	0	1	4	1	0	0	0	1	0	1	617	0	6	1	0	0	0	0	
0	0	0	1	0	0	1	0	1	0	0	0	0	0	3	0	114	2	0	0	161	0	0	
5	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	186	0	0	0	0	1	
3	0	0	1	0	0	0	0	0	1	1	0	1	0	0	1	0	8	92	0	0	4	1	
0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	67	2	0	0	
2	4	0	0	0	0	0	3	0	3	2	0	3	5	8	4	1	3	0	1	281	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	2	0	0	0	17	0	
2	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	2	0	0	0	0	18	

0.7842876315116882

Nadam

mean_squared_error

415	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	176	0	0	0	0	0	0	0	0	0	23	0	0	0	1	0	0	0	0	0	0	0	0
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	87	1	0	0	0
2	0	0	0	199	0	0	0	0	2	0	0	0	0	4	2	0	5	0	0	0	0	0	0
0	0	0	5	0	104	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	0		
1	0	0	0	0	0	436	4	209	1	0	0	0	0	1	3	0	1	1	0	0	0	0	
0	0	0	0	0	0	0	337	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	105	1	362	0	0	0	2	0	0	1	0	1	0	0	1	0	0	
0	0	0	0	0	0	0	1	0	94	0	0	0	0	0	1	0	0	0	0	0	0	2	
0	0	0	0	0	0	0	1	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
129	0	0	0	0	0	1	1	0	0	0	173	0	0	0	2	0	0	0	0	0	0	0	
5	1	0	0	2	0	7	8	42	1	4	1	146	0	14	23	0	18	10	1	4	1	3	
2	0	0	0	0	0	1	0	1	2	0	0	1	56	1	4	0	2	0	0	0	0	1	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	1	0	0	0	0	0	0	
7	0	0	0	2	0	0	4	2	1	0	0	1	0	1	620	0	4	1	0	0	0	0	
0	2	0	1	0	0	1	0	1	0	0	0	0	0	3	1	90	1	0	0	183	0	0	
5	0	0	0	3	0	2	1	0	3	0	0	0	0	1	0	0	185	0	0	0	0	1	
3	0	0	0	1	0	0	0	0	0	0	0	1	0	3	1	0	2	101	0	0	0	1	
0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	72	0	0	0	
1	4	0	0	0	0	0	2	1	1	1	0	2	2	13	3	0	2	0	1	290	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	18	0	
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	3	0	0	0	0	0	0	19	

0.7960814237594604

mean_absolute_error

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	657	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	

0.12231310456991196

mean_absolute_percentage_error

416	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
185	0	0	0	0	0	1	0	1	0	0	0	2	0	0	5	0	0	1	0	5	0	0	
4	0	0	0	0	0	0	1	0	0	1	0	0	0	12	32	0	13	1	0	0	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	25	0	44	0	0	37	0	0	
5	0	0	0	0	0	1	2	0	3	2	0	0	0	17	10	0	173	0	0	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	61	0	0	5	1	3	33	0	14	0	0	
0	0	0	0	0	0	531	0	117	1	0	0	1	0	0	5	1	0	1	0	0	0	0	
3	0	0	0	0	0	3	329	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	
1	0	0	0	0	0	152	1	309	0	0	0	10	0	0	0	0	0	0	0	1	0	0	
2	0	0	0	0	0	0	1	0	91	0	0	0	0	1	2	0	0	1	0	0	0	0	
1	0	0	0	0	0	2	2	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
299	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
9	0	0	0	0	0	9	2	14	1	6	0	175	0	7	21	0	20	21	0	6	0	0	
2	0	0	0	0	0	1	1	1	6	1	0	6	0	1	9	3	6	2	0	32	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	0	0	104	0	4	0	1	0	0	0	0	
7	0	0	0	0	0	3	4	0	0	0	0	0	0	1	626	0	1	1	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	123	0	1	0	155	0	0	
5	0	0	0	0	0	2	1	1	1	0	0	0	0	1	2	0	187	0	0	1	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	108	0	1	0	0	
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	10	0	14	0	0	51	0	0	
2	0	0	0	0	0	0	2	0	1	0	0	5	0	5	1	0	2	0	0	305	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	20	0	0	0	0	
2	0	0	0	0	0	0	2	0	14	0	0	0	0	1	2	0	3	0	0	2	0	0	

0.6473273634910583

mean_squared_logarithmic_error

417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	158	0	0	1	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	84	1	0	0	
2	0	0	0	205	0	0	0	0	1	0	0	0	0	1	1	0	3	0	0	0	0	1	
0	0	0	1	0	100	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	13	0	
2	0	0	0	1	0	551	2	89	1	0	0	2	0	1	5	0	1	1	0	0	0	1	
1	0	0	0	0	0	0	332	0	0	0	0	0	0	3	1	0	0	0	0	0	0	1	
1	0	0	0	0	0	192	1	270	0	0	1	7	0	0	1	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	89	0	0	0	0	0	1	0	0	0	0	0	0	7	
1	0	0	0	1	0	0	1	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	
124	0	0	0	1	0	1	0	0	0	0	177	0	0	0	1	0	1	0	0	0	0	1	
3	1	0	0	2	0	9	0	12	0	1	1	192	0	5	16	0	28	8	0	3	5	5	
0	0	0	0	0	0	1	0	0	3	0	0	1	58	1	1	0	5	0	0	0	0	1	
0	0	0	0	2	0	0	1	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
7	0	0	0	4	0	1	2	1	0	0	0	0	0	1	620	0	2	1	0	0	2	2	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	1	3	36	0	0	0	239	0	0	
6	0	0	0	2	0	0	1	0	2	0	0	0	0	0	0	0	189	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	97	0	0	6	2	
0	0	0	11	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	62	1	0	0	
1	11	0	0	0	0	0	2	0	2	0	0	6	5	6	3	0	2	0	2	277	0	6	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7924671769142151

squared_hinge

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	139	0	0	1	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	1	103	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	
1	0	0	0	208	0	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	
0	1	0	1	0	106	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	
2	0	0	0	1	0	532	4	114	1	0	0	1	0	1	0	0	0	1	0	0	0	0	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	159	1	306	0	0	0	5	0	0	0	0	0	1	0	1	0	0	
1	0	0	0	1	0	0	1	0	91	0	0	0	0	0	1	0	3	0	0	0	0	0	
1	0	0	0	1	0	0	2	0	0	98	0	0	0	0	0	0	0	1	1	0	0	0	0
120	0	0	0	1	0	2	1	0	0	0	181	0	0	0	0	0	1	0	0	0	0	0	
3	2	0	0	3	0	7	4	19	1	1	1	199	0	5	8	0	16	17	0	5	0	0	
0	0	0	0	0	0	1	1	1	1	0	0	1	60	1	1	0	4	0	0	0	0	0	
0	0	0	0	2	0	0	2	0	0	0	0	1	0	104	0	0	2	0	0	0	0	0	
8	0	0	0	11	0	0	5	2	0	0	0	2	0	1	604	0	7	3	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	1	0	1	1	75	0	0	0	202	0	0	
5	0	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	188	1	0	0	0	0	
2	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	4	0	4	104	0	0	0	0
0	0	0	70	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	
1	16	0	1	1	0	0	3	1	2	0	0	8	4	3	2	0	2	4	0	275	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	19	0	0	0	0	
1	0	0	0	1	0	0	3	0	9	0	0	0	0	0	0	0	5	7	0	0	0	0	

0.79665207862854

hinge

416	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
191	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	1	0	2	0	0	
1	0	0	0	1	0	0	1	0	2	0	0	1	0	0	51	0	0	7	0	0	0	0	
3	0	0	0	2	0	0	1	0	0	0	0	5	0	0	62	0	0	13	0	21	0	0	
2	0	0	0	205	0	0	1	0	1	0	0	1	0	0	4	0	0	0	0	0	0	0	
0	0	0	0	0	104	0	0	0	0	0	0	2	0	0	0	0	0	11	0	0	0	0	
3	0	0	0	3	0	437	0	205	1	0	0	1	0	0	7	0	0	0	0	0	0	0	
3	0	0	0	0	0	1	329	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	
3	0	0	0	0	0	91	1	370	0	0	0	7	0	0	1	0	0	0	0	1	0	0	
1	0	0	0	1	0	0	1	0	92	0	0	0	0	0	2	0	0	1	0	0	0	0	
2	0	0	0	8	0	2	8	0	3	0	0	2	0	0	40	0	0	31	0	8	0	0	
304	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	11	0	8	1	7	3	0	0	190	0	0	31	0	0	27	0	2	0	0	
0	0	0	0	2	0	1	0	1	31	0	0	8	0	0	11	0	0	3	0	14	0	0	
3	0	0	0	4	0	1	2	2	0	0	0	1	0	0	15	0	0	5	0	78	0	0	
7	0	0	0	1	0	2	0	1	0	0	0	0	0	0	632	0	0	0	0	0	0	0	
0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3	0	0	1	0	277	0	0	
7	0	0	0	171	0	1	1	0	6	0	0	0	0	0	12	0	0	2	0	1	0	0	
3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	106	0	0	0	0	
0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	28	0	0	6	0	37	0	0	
5	0	0	0	0	0	0	3	0	1	0	0	11	0	0	7	0	0	1	0	295	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	19	0	0	0	0	
2	0	0	0	2	0	0	2	0	17	0	0	0	0	0	2	0	0	1	0	0	0	0	

0.6041468381881714

categorical_hinge

417	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	70	0	0	0	0	1	0	0	0	1	126	0	0	0	0	0	0	0	0	2	0	0	
1	0	57	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
1	0	0	10	0	0	0	0	0	0	0	0	2	0	0	4	0	0	0	89	1	0	0	
2	0	0	0	207	0	1	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	
0	0	0	2	0	97	0	0	0	0	0	0	2	0	0	0	0	1	15	0	0	0	0	
1	0	0	0	0	0	587	0	66	0	0	0	0	0	0	2	0	0	1	0	0	0	0	
4	0	0	0	1	0	3	324	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	
1	0	0	0	0	0	256	1	209	0	0	0	5	0	0	1	0	0	1	0	0	0	0	
1	0	0	0	1	0	0	0	0	94	0	0	0	0	0	1	0	0	1	0	0	0	0	
1	0	0	0	1	0	2	1	0	0	97	0	0	1	0	0	0	0	1	0	0	0	0	
201	0	0	0	0	0	4	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	
5	1	0	1	10	0	17	1	13	4	2	1	186	1	10	12	0	14	12	1	0	0	0	
0	0	0	0	0	0	1	0	0	5	1	0	1	57	1	1	0	4	0	0	0	0	0	
0	0	0	0	2	0	2	2	0	1	0	0	0	0	102	0	0	2	0	0	0	0	0	
10	0	0	0	4	0	5	0	0	1	0	0	0	0	1	620	0	1	1	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	3	0	2	3	122	0	0	0	150	0	0	
6	0	0	0	24	0	2	1	1	5	0	0	0	0	0	1	0	160	1	0	0	0	0	
3	0	0	1	0	0	0	0	0	4	0	0	1	0	0	1	0	3	100	0	0	0	0	
0	0	0	2	0	0	0	0	0	0	0	0	2	3	0	1	0	0	0	68	0	0	0	
1	0	0	0	2	0	0	1	0	2	0	0	9	2	7	4	0	4	1	1	289	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	19	0	0	0	0	
1	0	0	0	1	0	0	2	0	17	0	0	0	0	0	1	0	1	3	0	0	0	0	

0.7559444308280945

logcosh

418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	67	0	0	0	0	0	0	0	0	0	133	0	0	0	0	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	90	0	0	0	0	
2	0	0	0	208	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	
0	0	0	2	0	100	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	12	0	
4	0	0	0	2	0	482	3	159	1	0	0	0	0	2	1	0	1	2	0	0	0	0	
2	0	0	0	0	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	103	1	362	0	0	0	3	0	0	1	0	0	2	0	0	0	0	
0	0	0	0	1	0	0	1	0	93	0	0	0	0	0	1	0	0	0	0	0	0	2	
1	0	0	0	1	0	0	1	0	0	99	1	0	0	0	0	0	1	0	0	0	0	0	
130	0	0	0	0	0	0	0	0	0	0	176	0	0	0	0	0	0	0	0	0	0	0	
14	1	0	1	3	0	7	2	27	0	1	3	126	1	16	28	0	33	18	1	0	4	5	
2	0	0	0	0	0	1	1	1	0	0	0	1	58	1	1	0	4	0	0	0	0	1	
1	0	0	0	2	0	0	2	0	0	0	0	0	0	104	1	0	1	0	0	0	0	0	
8	0	0	0	3	0	2	4	1	1	0	0	0	0	1	618	0	3	2	0	0	0	0	
1	0	0	1	0	0	2	0	0	0	0	0	0	0	2	3	79	1	0	0	194	0	0	
6	0	0	0	5	0	0	1	0	1	0	0	0	0	0	1	0	186	0	0	0	0	1	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	106	0	0	2	0	
0	0	0	7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	68	0	0	0	
6	40	0	0	0	0	0	3	0	2	1	2	1	3	8	2	0	3	5	1	246	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	18	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22	

0.7702111601829529

categorical_crossentropy

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	127	0	0	0	0	0	0	0	0	0	72	0	0	0	1	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	83	1	0	0	
1	0	0	0	207	0	0	0	0	0	1	0	0	0	3	1	0	1	0	0	0	0	0	
0	0	1	5	0	100	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	5	0	
1	0	0	0	3	0	522	6	115	2	0	0	0	0	0	4	0	1	2	0	0	0	1	
1	0	0	0	0	0	0	336	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	172	1	295	0	0	0	2	0	0	0	0	1	0	0	2	0	0	
3	0	0	0	1	0	0	1	0	85	0	0	0	0	0	1	0	1	0	0	0	0	6	
0	0	0	0	1	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	
162	0	0	0	1	0	0	0	0	0	0	143	0	0	0	0	0	0	0	0	0	0	0	
9	1	4	0	2	0	8	8	27	0	6	1	126	0	12	24	0	33	14	0	5	5	6	
1	0	0	0	0	0	1	4	0	1	0	0	1	55	1	2	0	4	0	0	0	0	1	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
7	0	0	0	2	0	2	6	0	0	2	0	0	0	1	618	0	5	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	2	0	0	0	1	3	73	0	0	0	201	0	0	
1	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	194	0	0	0	0	1	
3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	98	0	1	4	1	
0	0	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	
1	24	3	0	0	0	0	9	0	1	0	0	1	0	4	1	0	0	2	1	273	0	3	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	21	

0.7726840376853943

kullback_leibler_divergence

413	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
0	114	0	0	0	0	0	0	0	0	0	85	0	0	0	1	0	0	0	0	0	0	0	
0	0	62	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	41	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	62	1	0	
0	0	0	0	207	0	0	1	0	0	1	0	0	0	0	1	1	0	2	0	0	0	1	
0	0	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	13	
0	0	0	0	2	0	543	5	102	1	0	0	0	0	1	1	0	1	1	0	0	0	0	
0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	178	1	287	0	1	0	1	0	0	1	0	2	2	0	0	0	0	
0	0	0	0	1	0	0	1	0	86	0	0	0	0	0	1	0	2	0	0	0	0	7	
1	0	0	0	1	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	
143	0	0	0	1	0	2	1	0	0	0	156	0	0	0	1	0	0	0	0	0	0	2	
5	1	0	0	2	0	11	11	16	0	2	1	159	0	7	14	0	36	8	1	0	7	10	
0	0	0	0	0	0	0	4	0	0	1	0	1	58	0	1	0	5	0	0	0	0	1	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	106	0	0	2	0	0	0	0	0	
7	0	0	0	2	0	1	5	1	1	1	0	0	0	1	618	0	5	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	2	0	1	0	1	1	127	0	0	0	147	0	0	
0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	197	0	0	0	0	1	
2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	100	0	0	6	1	
0	0	0	30	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	44	0	0	0	
1	24	0	0	0	0	0	8	0	1	4	0	8	9	7	1	0	6	1	2	249	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	21	0	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	

0.7896138429641724

poisson

417	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	109	0	0	1	0	0	0	0	0	0	89	1	0	0	0	0	0	0	0	0	0	0	
0	0	61	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	1	0	0	
1	0	0	0	195	0	0	0	0	0	0	0	0	0	5	1	0	12	0	0	0	0	0	
0	0	0	1	0	105	0	0	0	0	0	0	1	0	0	0	0	1	3	0	1	5	0	
1	0	0	0	1	0	528	5	109	1	0	0	3	0	0	3	1	3	2	0	0	0	0	
1	0	0	0	0	0	0	335	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	169	1	290	0	0	0	9	0	0	0	0	2	0	0	2	0	0	
1	0	0	0	1	0	0	1	0	90	0	0	0	0	0	1	0	1	0	0	0	0	3	
1	0	0	0	1	0	0	0	0	0	101	0	0	0	0	1	0	0	0	0	0	0	0	
139	0	0	0	1	0	2	1	0	0	0	160	0	0	0	2	0	0	1	0	0	0	0	
4	1	2	0	0	0	8	5	14	0	2	2	176	1	7	17	1	30	12	1	2	4	2	
0	0	0	0	0	0	1	1	0	1	0	0	1	58	1	1	0	6	0	0	0	0	1	
0	0	0	0	1	0	0	1	0	0	0	0	0	0	107	0	0	2	0	0	0	0	0	
7	0	0	0	2	0	0	3	1	0	0	0	1	0	2	623	0	3	1	0	0	0	0	
0	0	0	1	0	0	2	1	0	0	1	0	0	0	2	4	72	0	0	0	200	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	198	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	104	0	1	0	1	
0	0	0	13	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	60	1	0	0	
1	8	0	0	0	0	0	5	0	1	0	0	4	1	9	3	0	0	1	2	286	0	2	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	18	0	
1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	20	

0.7863800525665283

cosine_proximity

415	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	139	0	0	1	0	0	1	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0	
0	0	59	0	0	0	0	1	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	
0	0	0	16	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	85	4	0	0	
2	0	0	0	210	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
0	0	0	1	0	97	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	17	0	
1	0	0	0	3	0	500	4	138	1	0	0	2	0	1	5	0	0	1	0	0	0	1	
1	0	0	0	1	0	0	335	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
1	0	0	0	1	0	142	1	322	0	0	1	6	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	1	0	0	1	0	94	0	0	0	0	0	1	0	0	0	0	0	0	1	
2	0	0	0	1	0	0	2	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	
95	0	0	0	1	0	1	1	0	0	0	208	0	0	0	0	0	0	0	0	0	0	0	
4	1	0	0	3	0	8	4	13	0	2	1	194	0	4	20	0	16	6	0	4	9	2	
0	0	0	0	0	0	1	3	0	2	0	0	1	59	1	1	0	3	0	0	0	0	0	
0	0	0	0	2	0	1	1	0	0	0	0	0	0	105	0	0	2	0	0	0	0	0	
7	0	0	0	5	0	2	5	0	0	0	0	0	0	1	623	0	0	0	0	0	0	0	
0	0	0	1	0	0	2	0	0	0	0	0	2	0	2	3	84	0	0	0	189	0	0	
5	0	0	0	6	0	1	1	0	1	0	0	0	0	0	0	0	186	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4	101	0	1	2	1	
0	0	0	5	0	0	0	0	0	0	0	1	2	0	0	0	0	0	67	1	0	0	0	
1	6	0	0	1	0	0	4	0	2	1	0	12	2	7	2	0	3	0	1	280	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	20	0	
1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	20	

0.8052120804786682

1.2. Költségfüggvény/optimalizáló kombinációk eredményei a kiválasztott szűrőkkel rendelkező hálók esetén

(4, 2) szűrő eredményei

RMSprop

mean_squared_error

4121	0	0	0	7	0	0	1	0	0	2	40	0	0	1	3	0	3	3	0	0	0	0
0	1319	0	0	0	0	0	0	0	0	0	681	0	0	0	0	0	0	0	0	0	1	0
0	3	603	0	0	0	0	1	3	0	1	0	1	0	1	22	0	7	1	0	0	0	0
0	0	0	242	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	817	4	0	0
14	1	1	0	2111	0	2	1	0	0	1	0	0	0	1	1	0	7	0	0	0	0	0
0	0	0	2	0	1157	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	11	0
38	0	0	0	7	0	3532	10	2893	6	8	14	14	1	8	37	0	3	3	0	0	0	1
38	0	1	0	13	0	14	3257	4	0	0	0	1	2	1	27	0	13	2	0	0	1	3
9	0	0	0	2	0	465	8	4156	4	6	16	36	3	2	18	1	1	4	0	4	1	1
17	0	0	0	4	0	1	4	1	903	0	3	0	15	1	3	0	5	1	0	0	1	18
4	0	0	0	2	0	1	0	0	1	1021	0	0	0	1	2	0	2	1	0	2	0	0
243	0	0	0	2	0	2	0	0	0	1	2807	0	0	1	1	0	1	0	0	0	0	1
7	9	3	2	6	0	5	1	33	1	3	2	2711	4	5	61	0	42	8	0	1	3	3
1	3	0	0	0	0	1	0	0	2	1	0	8	680	1	3	0	5	0	1	0	0	1
6	0	0	1	4	0	3	4	1	0	0	0	7	0	1072	5	5	6	0	0	1	0	0
48	0	0	0	15	0	21	12	9	6	2	14	8	1	7	6266	0	23	1	0	1	0	1
0	0	0	4	0	0	1	0	1	0	0	0	3	0	1	5	2188	0	1	0	622	0	0
22	0	0	0	217	0	16	2	1	1	3	5	2	1	0	7	0	1727	2	0	0	2	0
8	0	0	0	2	1	4	2	9	2	1	4	16	2	1	15	0	25	1026	0	2	10	3
0	0	1	92	0	0	0	0	0	0	0	0	1	4	0	1	0	4	2	651	1	0	0
1	271	2	1	0	0	0	1	1	1	0	1	35	18	6	17	0	10	6	14	2839	1	0
0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	2	2	0	0	217	0
7	0	0	0	3	0	0	1	1	7	0	0	1	1	1	8	0	4	0	0	0	0	221

0.8528566956520081

mean_squared_logarithmic_error

4160	0	0	0	1	0	0	2	0	0	2	12	0	0	1	0	0	0	3	0	0	0	0
0	1210	0	0	0	0	0	0	0	2	0	787	1	0	0	0	0	0	0	0	0	1	0
0	3	627	0	0	0	0	1	2	0	0	0	1	0	0	3	0	4	2	0	0	0	0
0	0	0	77	0	0	0	0	0	0	0	0	6	1	0	1	1	0	4	969	7	0	0
22	0	1	0	2063	0	4	7	0	4	2	0	3	0	2	6	0	21	0	0	0	3	2
0	0	1	0	0	1132	0	0	0	0	0	0	15	0	0	0	1	0	2	0	0	21	0
42	0	0	0	4	0	3950	11	2487	10	13	7	16	2	6	17	1	2	5	0	0	0	2
36	0	1	0	6	0	10	3298	0	1	2	0	0	1	0	14	0	2	3	0	0	1	2
10	0	0	0	2	0	685	9	3954	5	5	13	29	1	1	8	1	1	10	0	1	1	1
20	0	0	0	3	0	1	2	0	929	0	2	1	8	0	1	0	0	1	0	0	0	9
4	0	1	0	1	0	1	0	0	1	1022	0	1	0	0	2	0	2	1	0	1	0	0
691	0	0	0	2	0	3	1	1	0	0	2354	1	0	2	1	0	1	1	0	0	0	1
7	7	3	0	3	0	7	1	31	1	5	1	2780	3	2	21	0	17	15	0	0	2	4
0	1	0	0	0	0	1	0	0	2	2	0	11	685	1	1	0	1	0	0	0	1	1
6	0	0	0	4	0	7	4	5	4	3	0	11	0	981	3	76	5	4	0	1	0	1
55	0	1	0	11	0	28	30	12	10	5	12	17	2	6	6223	0	15	5	0	1	0	2
0	0	0	1	0	0	2	0	0	0	1	0	7	0	1	3	2574	0	3	0	234	0	0
27	0	0	0	106	0	16	8	1	6	5	1	7	2	0	9	0	1812	5	0	0	2	1
8	0	0	0	2	0	5	4	6	4	1	4	19	1	0	5	1	7	1052	0	0	11	3
0	0	1	16	0	0	0	0	0	0	0	0	18	8	0	1	3	3	2	704	1	0	0
2	155	4	0	0	0	0	2	4	4	3	1	278	48	2	6	1	7	21	11	2674	0	2
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	8	0	0	214	0
8	0	0	0	1	0	1	1	1	17	0	0	3	1	1	3	0	0	0	0	0	0	218

0.850307285785675

squared_hinge

4120	0	0	0	2	0	0	2	0	0	1	46	0	0	2	0	0	2	3	0	0	0	3
0	1459	0	0	0	0	0	0	0	1	0	540	0	0	0	0	0	0	0	0	0	1	0
0	3	621	1	0	0	0	1	2	0	0	0	0	0	0	2	0	7	2	0	0	0	4
0	0	0	581	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	480	2	0	0
20	1	1	0	2083	0	3	4	0	2	2	0	1	0	1	1	0	12	0	0	0	3	6
0	0	0	1	0	1113	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	49	6
35	0	0	0	4	0	3581	8	2888	3	1	12	11	0	10	10	0	1	1	0	0	1	9
36	0	1	0	9	0	13	3274	2	1	0	0	1	1	1	9	0	4	2	0	0	1	22
5	0	0	0	2	0	535	9	4105	4	2	15	19	1	9	5	1	2	4	0	3	3	13
14	0	0	0	4	0	2	1	1	725	0	2	0	5	1	0	0	1	0	0	0	0	221
7	0	1	0	3	0	6	1	1	1	1003	0	2	1	1	2	0	4	1	0	2	0	1
309	1	0	0	0	0	3	0	0	0	0	2742	0	0	2	0	0	1	0	0	0	0	1
7	8	3	3	5	0	6	1	40	0	2	1	2693	4	13	15	0	31	12	0	0	7	59
0	1	0	0	0	0	1	0	0	1	0	0	7	680	1	0	0	4	0	1	0	0	11
4	0	0	1	5	0	2	3	1	0	0	0	1	0	1087	1	1	4	0	0	1	0	4
53	2	0	3	14	0	34	39	15	7	3	20	9	4	15	6103	0	59	2	0	1	1	51
1	0	0	7	0	0	2	0	0	0	0	0	7	0	3	2	2061	0	1	0	742	0	0
23	0	0	0	157	0	17	5	1	1	3	5	2	1	0	3	0	1775	1	0	0	2	12
9	0	0	0	2	0	5	4	7	1	1	4	15	1	1	6	0	18	991	0	3	33	32
0	0	1	239	0	0	0	0	0	0	0	0	1	5	0	1	0	3	2	503	1	0	1
1	302	1	9	0	0	0	0	1	2	1	1	41	26	13	3	0	10	12	10	2776	1	15
0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	1	4	0	0	212	4
7	0	0	0	1	0	0	0	1	1	0	0	0	1	1	2	0	0	0	0	0	0	241

0.8471871018409729

categorical_hinge

4155	0	0	0	5	0	10	0	0	0	2	7	0	0	0	1	0	0	1	0	0	0	0
0	1457	0	0	0	0	0	0	0	0	0	544	0	0	0	0	0	0	0	0	0	0	0
0	3	610	1	0	0	0	1	2	0	0	0	0	0	0	19	0	6	1	0	0	0	0
0	0	0	688	0	0	0	0	0	0	0	0	1	0	0	1	0	2	1	370	3	0	0
17	0	1	0	2102	0	5	1	0	0	1	0	0	0	0	6	0	7	0	0	0	0	0
0	0	0	2	0	1151	0	0	0	0	3	0	2	0	0	1	1	2	10	0	0	0	0
42	0	0	0	7	0	3935	13	2496	2	5	6	9	0	8	47	1	3	1	0	0	0	0
40	0	1	0	13	0	20	3254	0	0	1	0	0	1	1	34	0	10	2	0	0	0	0
10	0	0	0	3	0	677	8	3924	3	11	15	20	0	4	46	1	10	2	0	3	0	0
21	0	0	4	7	0	4	9	2	877	2	2	9	17	3	6	0	12	2	0	0	0	0
5	0	0	0	3	0	12	0	0	0	1009	0	0	0	1	2	0	2	1	0	2	0	0
867	1	0	3	2	0	6	1	0	0	0	2171	0	0	2	5	0	1	0	0	0	0	0
7	8	3	8	11	0	9	2	37	0	15	0	2618	2	2	105	0	79	3	1	0	0	0
1	5	0	9	0	0	1	0	0	2	4	0	6	643	1	8	0	22	1	1	3	0	0
7	0	0	2	6	0	11	4	0	0	0	0	1	0	1070	4	2	5	0	1	2	0	0
58	0	0	0	16	0	31	10	2	3	2	5	1	0	7	6281	0	18	1	0	0	0	0
0	0	0	11	0	0	2	0	0	0	1	0	1	0	1	5	2212	1	1	1	590	0	0
27	0	0	0	253	0	21	4	1	2	3	1	0	0	0	9	0	1685	2	0	0	0	0
10	0	0	4	2	0	5	8	10	2	4	4	17	1	1	42	0	44	976	0	3	0	0
0	0	1	336	0	0	0	0	0	0	0	0	1	2	0	1	0	4	2	408	2	0	0
1	229	3	20	0	0	0	2	0	0	6	0	26	14	4	38	0	12	7	8	2855	0	0
1	0	0	1	0	5	0	1	1	0	2	0	5	0	2	25	0	40	141	0	1	0	0
18	0	0	13	7	0	3	8	2	51	2	0	4	1	4	48	0	91	1	0	2	0	0

0.838663637638092

logcosh

4164	0	0	0	5	0	0	1	0	0	1	6	0	0	0	0	0	3	1	0	0	0	0
0	1206	0	0	0	0	0	0	0	1	0	792	0	0	0	1	0	1	0	0	0	0	0
0	3	616	0	0	0	0	1	4	0	0	0	0	0	0	4	0	13	1	0	0	0	1
0	0	0	287	0	0	0	0	0	0	0	0	2	0	0	1	0	17	1	742	16	0	0
18	0	1	0	2085	0	2	3	0	1	1	0	0	0	0	1	0	27	0	0	0	0	1
0	0	1	1	0	1148	0	0	0	0	0	0	2	0	0	2	0	2	0	0	0	15	1
50	0	0	0	6	0	5876	15	580	5	0	4	3	0	8	19	1	2	2	0	0	0	4
38	0	1	0	12	0	13	3284	0	0	0	0	0	1	1	11	0	11	0	0	0	1	4
13	0	0	0	2	0	2492	11	2152	3	1	11	17	0	1	14	0	9	2	0	4	1	4
19	0	0	0	4	0	3	5	0	831	0	1	0	4	1	2	0	5	0	0	0	0	102
9	0	1	0	2	0	11	1	0	1	989	0	0	0	1	1	0	17	1	0	2	0	1
1319	0	0	0	2	0	4	0	0	0	0	1727	0	0	2	0	0	3	1	0	0	0	1
12	7	4	0	5	0	13	1	38	1	1	0	2630	3	2	29	0	139	9	1	2	3	10
0	1	0	0	0	0	1	0	0	1	0	0	9	636	1	1	0	42	1	1	7	0	6
7	0	0	0	6	0	7	4	2	0	0	0	1	0	1067	2	2	9	0	1	6	0	1
74	0	1	0	14	0	36	40	7	3	2	4	5	1	10	6060	0	150	2	0	2	0	24
1	0	0	3	0	0	2	0	0	0	0	0	1	0	1	1	1531	3	0	0	1283	0	0
27	0	0	0	92	0	15	3	0	2	2	1	0	0	0	1	0	1862	0	0	0	1	2
13	0	0	0	2	0	9	4	7	2	1	1	12	1	1	7	0	77	966	0	5	16	9
0	0	2	116	0	0	0	0	0	0	0	0	2	5	0	2	0	16	2	596	13	0	3
1	121	3	0	0	1	0	4	2	1	0	0	19	8	3	4	0	31	4	6	3013	0	4
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	6	3	0	0	212	1
7	0	0	0	1	0	1	2	0	1	0	0	0	1	1	2	0	5	0	0	0	0	234

0.821369469165802

categorical_crossentropy

4143	0	1	0	2	0	0	6	0	0	2	19	0	0	2	1	0	4	0	0	0	0	1
0	1336	0	0	0	0	1	1	1	2	1	653	2	0	0	0	0	1	1	0	0	1	1
0	3	614	0	0	0	0	2	6	0	0	0	0	0	0	6	0	11	1	0	0	0	0
0	0	0	57	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1004	3	0	0
22	0	1	0	2094	0	5	7	0	1	1	0	0	0	2	0	0	6	0	0	0	0	1
0	0	1	1	0	1157	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	9	2
33	0	0	0	6	0	5795	15	687	4	6	6	2	0	7	5	1	2	2	0	0	0	4
28	0	1	0	5	0	8	3320	1	0	0	0	0	1	1	6	0	5	0	0	0	0	1
7	0	0	0	2	0	2204	10	2472	3	5	10	4	1	2	5	1	4	1	0	1	1	4
20	0	0	0	3	0	4	6	1	853	1	1	0	9	3	2	0	4	0	0	0	0	70
4	0	1	0	1	0	2	1	0	0	1022	0	0	0	1	0	0	2	1	0	1	0	1
848	0	0	1	3	0	16	3	3	0	1	2175	0	0	3	1	0	2	1	0	0	0	2
15	7	3	2	9	0	10	4	120	0	5	1	2588	5	6	18	1	83	7	0	1	2	23
0	2	0	0	2	0	1	0	0	2	0	0	6	684	1	0	0	5	0	2	0	0	2
5	0	0	0	3	0	2	4	0	0	0	0	1	0	1069	1	22	5	0	0	1	0	2
79	1	1	0	17	0	42	58	12	6	8	11	7	1	14	6118	0	46	0	1	1	0	12
0	0	0	1	0	0	2	0	0	0	1	0	0	0	3	1	2475	2	0	1	340	0	0
28	0	0	0	267	0	15	9	0	1	3	2	1	1	0	3	0	1671	1	0	0	1	5
16	0	0	0	2	0	9	13	12	3	2	2	13	1	1	6	0	48	985	0	4	4	12
0	0	1	23	0	0	0	0	0	0	0	0	1	4	0	1	1	2	0	723	0	0	1
3	271	1	0	1	0	0	3	15	1	0	0	35	22	7	4	0	12	9	17	2819	0	5
1	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	9	6	0	0	203	2
8	0	0	0	2	0	0	2	1	2	0	0	0	1	1	2	0	0	0	0	0	0	236

0.8487091064453125

kullback_leibler_divergence

4150	0	0	0	4	0	2	9	0	0	3	2	3	0	2	0	0	6	0	0	0	0	0
0	1333	0	0	1	0	6	1	3	2	3	618	24	0	2	3	0	4	0	0	0	1	0
0	3	622	0	0	0	0	1	3	0	0	0	0	0	0	3	0	10	1	0	0	0	0
0	0	0	311	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	744	8	0	0
17	0	1	0	2098	0	5	8	0	2	1	0	1	0	0	0	0	6	0	0	0	0	1
0	0	0	2	0	1152	0	0	0	0	0	0	5	0	0	0	1	1	0	0	0	11	0
24	0	0	0	5	0	5931	13	557	4	5	3	14	0	9	4	1	2	2	0	0	0	1
25	0	1	0	5	0	5	3322	0	0	0	0	1	1	1	8	0	6	0	0	0	1	1
4	0	0	0	3	0	2534	10	2116	4	3	5	40	0	3	5	1	3	1	0	2	1	2
19	0	0	0	3	0	3	5	0	898	1	1	0	10	1	2	0	3	0	0	0	0	31
4	0	1	0	1	0	3	1	0	0	1020	0	2	0	1	1	0	1	0	0	2	0	0
1586	0	0	1	5	0	31	5	1	0	4	1367	25	1	4	10	0	16	1	0	0	0	2
7	6	2	1	6	0	10	2	31	1	2	0	2768	2	2	13	0	45	4	0	2	1	5
0	1	0	0	1	0	1	0	0	2	0	0	9	684	1	0	0	6	0	1	0	0	1
4	0	0	1	4	0	2	3	1	1	0	0	2	0	1056	1	32	6	0	0	2	0	0
54	1	1	0	15	0	43	44	7	6	7	2	22	2	10	6138	0	72	1	1	1	0	8
0	0	0	2	0	0	2	0	0	0	0	0	1	0	1	1	2439	1	0	0	379	0	0
26	0	0	0	160	0	17	8	0	2	3	1	4	1	0	2	0	1780	1	0	0	2	1
13	0	0	2	2	0	9	8	10	3	1	1	25	0	3	10	1	57	925	0	8	47	8
0	0	0	109	0	0	0	0	0	0	0	0	1	5	0	1	2	3	0	635	1	0	0
1	78	1	2	0	0	0	4	3	1	0	0	134	23	10	2	0	10	4	10	2939	0	3
0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	6	2	0	0	212	0
8	0	0	0	1	0	1	1	0	6	0	0	2	1	1	2	0	2	0	0	0	0	230

0.8395197987556458

poisson

4170	0	1	0	1	0	0	3	0	0	2	2	0	0	1	0	0	1	0	0	0	0	0
0	981	0	0	0	0	4	1	1	2	3	998	2	0	2	2	0	1	3	0	0	1	0
0	3	627	0	0	0	0	1	2	0	0	0	0	0	0	2	0	7	1	0	0	0	0
0	0	0	746	0	0	0	1	0	0	1	0	0	1	0	1	0	0	1	300	15	0	0
23	0	1	0	2091	0	4	5	0	1	1	0	0	0	7	1	0	5	0	0	0	0	1
1	0	0	2	0	1146	0	0	0	0	0	0	1	0	0	0	1	1	1	0	1	18	0
51	0	0	0	6	0	5672	14	788	5	7	1	0	1	10	8	1	2	3	0	1	0	5
34	0	1	0	7	0	6	3313	0	1	0	0	0	1	1	8	0	4	0	0	0	0	1
18	0	0	0	2	0	2122	11	2531	4	6	6	6	2	3	6	1	3	4	0	6	1	5
23	0	0	0	4	0	3	3	0	879	0	1	1	24	3	1	0	2	1	0	0	0	32
5	0	1	0	1	0	2	3	0	1	1019	0	0	0	1	0	0	1	1	0	2	0	0
1712	0	0	1	2	0	14	3	0	0	4	1313	0	0	2	4	0	2	1	0	0	0	1
45	7	4	4	11	0	13	5	66	4	29	0	2541	13	16	28	2	82	12	0	8	2	18
0	0	0	0	1	0	1	0	0	2	2	0	2	694	1	0	0	3	0	0	0	0	1
4	0	0	0	2	0	1	3	0	0	0	0	0	0	1088	1	8	4	1	0	2	0	1
111	0	1	0	17	0	39	44	8	6	15	1	6	3	15	6117	0	41	0	0	3	0	8
1	0	0	3	0	0	2	0	0	0	0	0	0	0	4	0	2352	1	0	0	463	0	0
33	0	0	0	306	0	18	7	0	3	3	0	1	1	0	5	0	1626	2	0	0	1	2
19	0	0	0	2	0	7	7	5	3	1	1	10	1	2	4	0	27	1025	0	7	8	4
0	0	0	314	0	0	0	0	0	0	0	0	1	7	0	1	1	3	2	421	7	0	0
4	45	1	2	0	0	0	5	1	1	9	0	10	46	20	3	0	10	9	5	3052	0	2
0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	3	8	0	0	209	1
9	0	0	0	1	0	1	0	0	7	0	0	0	1	1	2	0	0	0	0	0	0	233

0.8341926336288452

cosine_proximity

4166	0	0	0	1	0	0	2	0	0	2	6	0	0	0	2	0	0	2	0	0	0	0
0	1040	0	0	0	0	0	0	0	2	1	953	1	0	0	1	0	0	2	0	0	1	0
1	3	588	0	0	0	0	1	2	0	2	0	1	0	1	35	0	1	8	0	0	0	0
0	0	0	166	0	0	0	1	0	0	1	0	3	1	0	1	0	0	3	888	2	0	0
24	0	1	0	2066	0	3	7	0	2	3	1	4	0	2	7	0	13	0	0	0	3	4
7	0	0	0	0	1146	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	15	2
55	0	0	0	6	0	5337	17	1072	4	12	4	10	0	10	33	1	1	6	0	0	1	6
38	0	1	0	7	0	9	3298	0	0	1	0	0	1	1	14	0	1	4	0	0	1	1
14	0	0	0	2	0	1733	11	2856	4	11	12	34	1	2	21	1	1	22	0	1	5	6
19	0	0	0	3	0	3	7	0	805	2	2	1	3	2	5	0	0	3	0	0	1	121
5	0	0	0	2	0	1	0	0	0	1026	0	0	0	0	0	0	1	1	0	0	0	1
1265	0	0	0	2	0	4	1	0	0	1	1773	2	0	2	4	0	0	4	0	0	0	1
17	7	3	0	3	0	9	2	17	0	7	0	2734	3	4	46	0	11	25	0	0	4	18
2	1	0	0	0	0	1	1	0	0	2	0	12	668	1	2	0	0	11	1	0	1	4
8	0	0	0	5	0	2	5	0	0	2	0	4	0	1066	4	11	4	2	0	0	0	2
61	0	0	0	13	0	33	25	3	2	6	4	7	1	7	6261	0	7	3	0	0	1	1
0	0	0	2	0	0	2	0	0	0	2	0	8	0	2	4	2497	0	5	0	304	0	0
31	0	0	0	195	0	20	13	0	4	10	1	8	0	1	29	0	1683	4	0	0	2	7
14	0	0	0	2	0	4	9	3	1	2	4	18	0	2	16	0	6	1033	0	0	12	7
0	0	1	59	1	0	0	0	0	0	0	0	3	5	0	3	0	2	7	675	0	0	1
7	121	1	3	0	1	0	8	2	0	7	2	330	31	20	44	0	3	139	14	2482	7	3
1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	2	0	0	5	0	0	214	0
8	0	0	0	2	0	1	2	0	2	0	0	1	1	1	2	0	0	0	0	0	1	234

0.8335838317871094

Adagrad

mean_squared_error

4128	0	1	0	8	0	10	4	0	1	2	14	1	0	5	2	0	4	1	0	0	0	0
1	1115	0	0	0	0	1	2	1	1	0	875	3	0	0	0	0	1	1	0	0	0	0
0	3	617	0	1	0	0	1	4	1	1	0	1	0	2	5	0	5	2	0	0	0	0
2	0	0	394	0	0	0	2	0	0	0	0	2	0	0	2	1	2	1	646	14	0	0
22	1	1	0	2092	0	5	2	0	2	1	0	1	0	0	2	0	11	0	0	0	0	0
13	0	0	1	0	1151	0	0	0	0	0	0	1	0	0	2	0	1	3	0	0	0	0
50	0	0	0	5	0	4791	10	1656	4	1	5	21	0	7	19	2	3	1	0	0	0	0
53	0	2	0	16	0	28	3239	2	3	0	0	3	0	4	20	0	3	3	0	1	0	0
17	0	0	0	2	1	1137	13	3490	6	3	11	29	1	5	11	1	4	1	0	5	0	0
17	0	0	0	3	0	4	6	1	929	1	2	2	4	0	2	1	5	0	0	0	0	0
10	0	1	0	4	0	13	1	0	2	994	0	1	0	1	3	0	6	0	0	1	0	0
1360	4	0	0	3	0	6	2	2	0	0	1660	12	0	3	1	0	4	1	0	1	0	0
31	8	2	3	10	0	18	4	112	1	4	0	2589	6	5	39	1	69	3	1	4	0	0
2	2	0	0	0	0	1	0	0	3	1	0	4	682	1	1	1	4	0	0	5	0	0
13	0	0	0	5	0	6	0	0	2	2	0	1	0	1066	6	10	4	0	0	0	0	0
102	0	1	0	23	0	35	31	10	13	6	3	9	0	10	6156	0	33	1	0	2	0	0
1	0	0	2	0	0	2	0	0	0	0	0	0	0	3	3	2331	0	0	0	484	0	0
33	0	0	0	301	0	19	6	0	5	3	1	2	0	1	7	0	1627	3	0	0	0	0
14	0	0	0	2	0	5	22	13	6	4	4	11	0	1	23	0	65	960	0	3	0	0
1	0	1	108	1	0	0	0	1	0	0	0	1	7	1	1	3	4	1	615	12	0	0
8	86	1	3	2	0	0	7	0	1	1	0	24	12	11	4	0	5	3	4	3053	0	0
4	0	0	0	1	38	0	9	2	3	1	0	6	0	1	30	0	46	84	0	0	0	0
44	0	0	0	4	0	4	33	2	78	0	0	1	2	2	22	1	60	2	0	0	0	0

0.831015408039093

mean_squared_logarithmic_error

4123	0	1	0	8	0	10	4	0	1	2	17	2	0	4	2	0	3	2	0	0	0	2
0	1248	0	0	0	0	1	1	3	1	1	742	2	0	0	0	0	1	1	0	0	0	0
0	3	620	1	1	0	0	1	2	1	0	0	0	0	1	5	0	5	2	0	0	0	1
2	0	0	359	0	0	0	5	0	0	0	0	1	0	0	1	0	4	1	681	12	0	0
20	1	1	0	2086	0	5	2	0	2	1	0	4	0	0	1	0	17	0	0	0	0	0
11	0	0	1	0	1145	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	12	0
46	0	1	0	4	0	4644	14	1808	7	3	4	7	0	9	18	2	3	2	0	0	1	2
40	0	1	0	14	0	22	3263	1	3	0	0	2	0	4	16	0	4	4	0	1	1	1
12	0	0	0	2	0	1095	11	3539	8	4	12	15	1	5	14	1	6	3	0	3	1	5
11	0	0	0	3	0	2	3	1	904	0	2	2	1	0	1	1	2	0	0	0	0	44
8	0	1	0	4	0	11	1	2	1	995	0	0	1	1	2	0	7	1	0	2	0	0
1227	1	0	0	3	0	8	2	5	0	1	1788	8	1	3	2	0	4	4	0	1	0	1
18	9	2	3	7	0	19	6	147	3	4	0	2561	5	4	35	2	66	5	1	6	5	2
1	2	0	0	0	0	1	0	0	2	2	0	3	683	1	1	0	3	0	0	5	0	3
9	0	0	0	5	0	5	0	0	2	1	0	2	0	1072	3	12	3	0	0	0	0	1
91	0	1	0	18	0	37	46	12	13	7	3	7	0	14	6146	0	37	1	0	1	0	1
1	0	0	3	0	0	2	1	0	0	0	0	1	0	3	3	2350	0	0	0	462	0	0
32	0	0	0	214	0	19	8	1	2	4	0	1	0	0	6	0	1717	1	0	0	2	1
12	0	0	0	2	0	6	15	7	4	3	4	9	0	1	13	0	40	973	0	1	34	9
1	0	1	65	1	0	0	0	0	0	0	0	1	6	0	2	3	5	2	660	10	0	0
6	100	1	2	1	0	0	9	0	1	3	0	6	14	11	5	0	5	5	4	3051	0	1
2	0	0	0	0	0	0	1	1	1	0	0	1	0	1	2	0	3	3	0	0	209	1
14	0	0	0	1	0	3	7	0	19	0	0	0	0	1	7	0	6	0	0	0	0	197

0.8434580564498901

squared_hinge

4141	1	0	0	2	0	12	3	0	0	0	18	1	0	0	3	0	0	0	0	0	0	0
2	1110	0	0	0	0	0	0	1	0	0	886	2	0	0	0	0	0	0	0	0	0	0
23	5	0	0	4	20	0	238	14	0	0	6	16	0	0	315	0	0	0	0	2	0	0
65	0	0	0	2	45	0	62	46	0	0	0	133	0	0	304	277	0	0	0	132	0	0
41	1	0	0	2072	0	4	8	1	0	0	0	4	0	0	8	0	0	0	0	1	0	0
8	0	0	0	0	1158	0	2	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
42	0	0	0	4	0	4334	7	2154	0	0	5	15	0	0	12	2	0	0	0	0	0	0
54	0	0	0	23	0	19	3238	10	0	0	0	2	0	0	29	1	0	0	0	1	0	0
16	0	0	0	4	2	903	11	3745	0	0	12	20	0	0	19	1	0	0	0	4	0	0
28	0	0	0	21	3	4	514	6	0	0	2	9	0	0	382	2	0	0	0	6	0	0
129	0	0	0	31	4	12	403	4	0	0	0	4	0	0	415	6	0	0	0	29	0	0
1304	12	0	0	2	0	8	0	4	0	0	1721	4	0	0	1	0	0	0	0	3	0	0
28	9	0	0	47	1	18	11	120	0	0	1	2592	0	0	72	1	0	0	0	10	0	0
11	3	0	0	4	86	1	82	9	0	0	0	80	0	0	120	29	0	0	0	282	0	0
88	1	0	0	15	0	13	27	6	0	0	0	8	0	0	96	769	0	0	0	92	0	0
85	1	0	0	31	0	33	43	16	0	0	4	8	0	0	6209	2	0	0	0	3	0	0
0	0	0	0	0	0	2	1	0	0	0	0	4	0	0	4	2211	0	0	0	604	0	0
113	1	0	0	1485	0	21	93	3	0	0	0	4	0	0	285	0	0	0	0	3	0	0
52	1	0	0	3	255	6	272	18	0	0	4	22	0	0	460	3	0	0	0	37	0	0
46	0	0	0	3	22	0	25	47	0	0	0	127	0	0	181	217	0	0	0	89	0	0
9	68	0	0	2	2	0	9	0	0	0	0	18	0	0	9	3	0	0	0	3105	0	0
4	0	0	0	3	78	0	21	1	0	0	0	4	0	0	111	1	0	0	0	2	0	0
54	0	0	0	13	0	3	104	3	0	0	0	2	0	0	73	2	0	0	0	1	0	0

0.67799317836761 47

categorical_hinge

4128	0	0	0	8	0	15	4	0	1	1	18	1	0	2	2	0	0	1	0	0	0	0
0	1198	0	0	0	0	0	2	1	1	0	792	3	0	1	1	0	1	1	0	0	0	0
0	3	625	1	1	0	0	1	0	1	0	0	0	0	0	7	0	3	1	0	0	0	0
8	0	0	680	0	0	0	4	2	0	0	0	2	2	0	3	3	7	3	330	22	0	0
20	1	1	0	2086	0	9	3	0	1	1	0	2	0	1	2	0	13	0	0	0	0	0
0	0	1	1	0	1035	0	0	0	0	1	0	39	3	0	4	17	2	58	2	9	0	0
51	0	1	0	5	0	5101	19	1312	7	3	5	15	1	10	35	1	3	5	0	1	0	0
39	0	1	0	17	0	25	3265	1	3	0	0	2	0	3	19	0	2	0	0	0	0	0
21	0	0	0	2	0	1409	14	3183	8	6	11	27	3	5	30	4	4	5	0	5	0	0
14	0	0	0	3	0	5	6	0	935	1	2	2	3	1	2	0	3	0	0	0	0	0
12	0	1	0	4	0	12	4	1	2	982	0	1	1	1	8	0	6	0	0	2	0	0
1336	2	0	0	5	0	9	3	2	0	0	1678	11	1	3	3	0	2	3	0	1	0	0
27	9	3	2	10	1	35	5	112	3	6	1	2577	4	8	40	0	56	6	1	4	0	0
2	4	0	0	0	0	1	1	0	2	1	0	4	682	1	1	0	4	0	0	4	0	0
13	0	0	0	7	0	10	1	0	2	2	0	1	0	1061	8	7	3	0	0	0	0	0
89	0	0	0	22	0	36	35	4	11	3	3	7	0	7	6201	0	15	1	0	1	0	0
1	0	0	2	0	0	2	1	0	0	2	0	3	0	3	2	2425	1	1	0	383	0	0
36	0	0	0	301	0	23	14	0	3	5	0	2	0	2	10	0	1609	3	0	0	0	0
18	0	0	0	2	6	7	16	7	7	4	4	13	0	1	24	0	49	973	0	2	0	0
20	0	1	364	1	0	0	1	12	0	0	0	1	10	1	3	3	6	4	309	21	0	0
4	114	1	3	1	4	0	5	1	1	4	0	13	11	9	5	0	7	2	0	3040	0	0
4	0	0	0	0	18	0	9	6	1	1	0	7	0	1	22	0	23	133	0	0	0	0
45	0	0	0	3	0	3	28	2	115	0	0	1	0	1	22	0	34	1	0	0	0	0

0.8328037858009338

logcosh

4131	0	2	0	5	0	12	4	0	1	3	14	0	0	4	2	0	2	1	0	0	0	0
0	1221	0	0	0	0	1	1	1	1	0	772	2	0	0	0	0	1	1	0	0	0	0
0	3	617	1	0	0	0	3	3	1	1	0	1	0	0	5	0	6	2	0	0	0	0
2	0	0	354	0	0	0	5	0	0	0	0	2	1	0	1	1	2	1	683	14	0	0
25	1	1	0	2071	0	9	4	0	0	1	0	3	0	0	3	0	22	0	0	0	0	0
9	0	0	0	0	1156	0	0	0	0	0	0	1	0	0	1	0	1	4	0	0	0	0
48	0	1	0	4	0	5184	12	1269	4	1	5	12	0	6	23	1	2	3	0	0	0	0
40	0	2	0	12	0	27	3255	3	3	1	0	2	0	2	22	0	5	2	0	1	0	0
18	0	0	0	2	1	1507	14	3121	6	2	10	25	1	5	14	1	5	2	0	3	0	0
18	0	0	0	3	0	5	8	0	925	2	2	2	4	0	2	0	5	0	0	1	0	0
10	0	1	0	4	0	13	3	0	2	988	0	1	0	1	5	0	6	1	0	2	0	0
1251	2	0	0	2	0	7	2	3	0	0	1774	7	0	3	2	0	3	1	0	2	0	0
14	9	3	4	7	0	23	6	144	3	4	0	2573	5	5	40	0	61	3	1	5	0	0
1	2	0	0	0	0	1	0	0	3	1	0	6	674	1	1	1	6	1	0	9	0	0
11	0	0	0	4	0	7	0	0	1	2	0	2	0	1068	7	7	4	1	0	1	0	0
86	0	1	0	17	0	36	43	7	12	5	3	8	0	10	6172	0	33	1	0	1	0	0
0	0	0	2	0	0	2	0	0	0	3	0	1	1	3	2	2300	1	1	0	510	0	0
35	0	0	0	190	0	22	9	0	4	2	0	3	0	0	9	0	1731	3	0	0	0	0
16	0	0	0	2	0	8	21	10	5	3	4	12	0	1	22	0	51	976	0	2	0	0
1	0	1	75	1	0	0	1	0	0	0	0	2	7	1	2	3	5	2	644	12	0	0
8	81	1	3	2	0	0	7	0	1	2	0	14	8	10	5	0	6	3	4	3070	0	0
3	0	0	0	0	46	0	6	2	1	1	0	8	0	1	36	0	34	87	0	0	0	0
31	0	0	0	2	0	4	38	1	76	1	0	2	4	1	22	0	70	3	0	0	0	0

0.8372176885604858

categorical_crossentropy

4113	0	2	0	4	0	14	7	0	2	4	17	1	0	5	4	0	2	2	0	0	0	4
3	1070	0	0	0	1	4	4	4	1	1	901	3	0	0	5	0	1	3	0	0	0	0
0	1	613	1	0	0	0	1	5	1	1	0	0	0	3	6	0	6	3	0	0	0	2
1	0	0	334	0	0	0	4	0	0	0	0	1	0	0	1	0	2	1	715	7	0	0
27	1	1	0	2063	0	8	5	0	3	1	0	3	0	3	2	0	23	0	0	0	0	0
16	0	0	0	0	1140	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	11	0
39	0	1	0	3	0	5507	7	977	4	0	4	4	0	5	15	2	2	2	0	0	0	3
43	0	2	0	11	0	23	3253	1	2	0	0	0	0	4	24	0	4	4	0	0	0	6
13	0	0	0	2	2	1886	9	2767	6	2	5	14	1	4	12	1	5	2	0	2	0	4
11	0	0	0	3	0	5	2	0	890	1	2	1	3	1	1	0	3	0	0	0	0	54
10	0	1	0	4	0	13	1	0	2	989	0	0	0	2	4	0	8	1	0	2	0	0
1454	11	0	0	2	0	15	3	6	0	1	1539	5	1	3	11	0	3	2	0	2	0	1
31	8	2	3	6	0	35	6	143	2	5	1	2507	7	4	41	2	89	6	1	3	3	5
2	0	0	0	0	0	1	0	0	2	0	0	3	678	1	1	1	6	1	1	8	0	2
9	0	0	0	4	0	6	0	0	2	1	0	2	0	1060	4	23	3	0	0	0	0	1
93	0	1	0	18	0	41	42	8	10	6	3	6	0	10	6171	1	22	1	0	1	0	1
1	0	0	3	0	0	2	0	0	0	1	0	2	0	4	3	2327	1	1	0	481	0	0
37	0	0	0	220	0	20	9	0	2	3	0	2	0	0	9	0	1702	2	0	0	1	1
15	0	0	0	2	0	8	12	6	4	2	4	7	0	2	17	0	55	977	0	1	14	7
2	0	1	69	0	0	0	0	0	0	0	0	1	5	0	3	3	5	2	658	8	0	0
11	83	1	3	2	0	0	7	1	1	0	0	14	9	10	8	1	7	6	5	3055	0	1
3	0	0	0	0	0	0	1	1	1	0	0	2	0	1	1	0	6	11	0	0	197	1
13	0	0	0	1	0	3	3	0	16	0	0	0	1	1	8	0	6	0	0	0	0	203

0.833564817905426

kullback_leibler_divergence

4101	0	2	0	5	0	13	8	0	1	3	29	0	0	5	4	0	4	2	0	0	0	4
1	1173	0	0	0	1	1	2	2	1	1	811	4	0	0	2	0	1	1	0	0	0	0
0	2	615	1	1	0	0	1	4	1	0	0	0	0	1	10	0	4	1	0	0	0	2
2	0	0	351	0	0	0	4	0	0	0	0	1	0	0	1	0	3	1	692	11	0	0
27	1	1	0	2059	0	6	5	0	2	0	0	4	0	4	4	0	27	0	0	0	0	0
16	0	0	0	0	1142	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	9	0
38	0	1	0	3	0	5078	10	1378	4	1	5	16	0	8	23	2	3	2	0	0	0	3
42	0	2	0	11	0	18	3266	1	3	0	0	0	0	3	24	0	2	3	0	1	0	1
12	0	0	0	2	2	1465	10	3175	6	3	8	18	1	5	19	1	4	0	0	3	0	3
11	0	0	0	3	0	4	4	0	904	1	2	1	1	2	1	0	3	0	0	0	0	40
12	0	1	0	4	0	11	3	1	1	984	0	0	2	3	8	0	5	0	0	2	0	0
1110	20	0	0	3	0	11	3	7	0	1	1876	9	1	3	10	0	2	1	0	1	0	1
26	9	3	2	9	1	24	8	130	2	5	3	2517	7	4	54	1	86	5	1	6	3	4
2	2	0	0	0	0	1	0	0	2	0	0	4	676	1	2	0	5	1	0	9	0	2
8	0	0	0	2	0	6	1	0	1	1	0	1	0	1075	5	11	3	0	0	1	0	0
84	1	1	0	16	0	35	38	8	10	5	3	6	0	13	6201	0	11	1	0	2	0	0
0	0	0	3	0	0	2	0	0	0	1	0	1	1	3	2	2222	2	0	1	588	0	0
40	1	0	0	262	0	17	11	0	3	3	1	2	0	0	14	0	1650	1	0	0	1	2
14	1	0	0	2	1	8	12	7	4	1	4	10	0	2	21	0	51	963	0	1	26	5
2	0	1	94	1	0	0	0	1	0	0	0	1	5	2	3	1	3	2	629	12	0	0
9	105	1	0	1	1	0	7	0	0	0	0	15	9	11	8	1	6	3	5	3042	0	1
1	0	0	0	0	0	0	2	1	1	0	0	1	0	1	2	0	6	13	0	0	196	1
12	0	0	0	1	0	2	5	1	18	0	0	0	0	1	12	1	5	0	0	0	0	197

0.8388729095458984

poisson

4113	0	2	0	5	0	9	6	0	1	4	21	1	1	5	3	0	2	2	0	0	1	5
2	1131	0	0	0	1	1	2	2	1	2	855	2	0	0	0	0	1	1	0	0	0	0
0	3	622	1	0	0	0	1	2	1	0	0	0	0	1	3	0	5	2	0	0	0	2
1	0	0	351	0	0	0	4	0	0	0	0	1	0	0	1	1	2	1	697	7	0	0
25	1	1	0	2076	0	6	6	0	4	2	0	3	0	3	2	0	10	0	0	0	1	0
11	0	0	0	0	1144	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	12	2
40	0	1	0	4	0	4622	13	1831	4	5	4	13	0	8	16	1	4	3	0	0	1	5
35	0	3	0	10	0	19	3280	0	1	1	0	1	0	3	15	0	2	3	0	0	1	3
16	0	0	0	2	1	1153	11	3476	4	6	8	23	1	5	11	1	5	3	0	4	1	6
10	0	0	0	3	0	2	3	1	894	1	3	1	4	0	1	0	2	0	0	0	0	52
6	0	1	0	3	0	6	1	2	2	1009	0	0	0	1	1	0	3	0	0	2	0	0
1188	4	0	0	2	0	11	1	4	0	1	1821	8	0	3	9	0	3	2	0	1	0	1
37	9	2	1	8	1	13	6	115	2	5	1	2577	7	3	37	0	61	6	1	3	3	12
2	2	0	0	0	0	1	0	0	2	0	0	3	683	1	2	1	4	0	0	4	0	2
8	0	0	0	3	0	4	0	0	1	2	0	2	0	1081	4	7	2	0	0	0	0	1
87	0	1	0	16	0	36	36	7	13	8	4	6	0	13	6178	1	25	0	0	1	0	3
1	0	0	3	0	0	2	0	1	0	1	0	2	0	3	2	2367	0	0	1	443	0	0
39	0	0	0	240	0	18	11	1	6	4	1	2	0	1	7	0	1673	1	0	0	2	2
14	0	0	0	2	0	4	7	7	2	5	4	11	0	1	17	0	41	982	0	1	25	10
2	0	1	86	0	0	0	0	0	0	0	0	1	5	1	1	3	4	2	642	9	0	0
11	124	1	3	2	0	0	7	0	1	2	0	9	10	12	5	0	5	4	5	3023	0	1
2	0	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	2	8	0	0	206	1
10	0	0	0	2	0	2	2	1	18	0	0	0	1	1	5	0	2	0	0	0	0	211

0.8402047157287598

cosine_proximity

4114	0	2	0	8	0	10	5	0	2	3	22	1	0	4	3	0	2	2	0	0	0	3
0	1243	0	0	0	0	0	0	1	1	0	752	2	0	0	0	0	1	1	0	0	0	0
0	3	621	1	0	0	0	1	4	1	0	0	0	0	2	3	0	5	2	0	0	0	0
1	0	0	298	0	0	0	2	0	0	0	0	1	0	0	1	0	2	1	749	11	0	0
19	1	1	0	2092	0	4	2	0	2	1	0	3	0	0	1	0	14	0	0	0	0	0
13	0	0	1	0	1143	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	11	1
43	0	1	0	5	0	4548	11	1907	5	1	5	9	0	9	19	1	5	2	0	0	1	3
43	0	1	0	18	0	20	3257	0	2	0	0	3	0	3	18	0	4	4	0	1	0	3
12	0	0	0	2	1	1002	9	3637	7	4	14	14	2	4	13	1	7	1	0	3	1	3
11	0	0	0	3	0	3	2	1	906	0	2	1	6	1	1	0	2	0	0	0	0	38
11	0	1	0	4	0	11	1	2	1	987	0	0	1	1	3	0	9	1	0	2	0	2
1009	3	0	0	4	0	8	2	5	0	1	2009	4	0	3	3	0	3	3	0	1	0	1
15	9	3	2	7	0	17	6	140	4	4	2	2555	5	5	37	0	78	5	1	6	4	5
1	2	0	0	0	0	1	0	0	2	1	0	3	686	1	1	0	5	0	0	2	0	2
8	0	0	0	5	0	6	2	0	1	1	0	2	0	1073	6	5	4	0	0	1	0	1
88	0	1	0	19	0	35	34	11	13	5	4	6	0	11	6166	0	37	1	0	2	0	2
0	0	0	3	0	0	2	0	0	0	1	0	1	0	3	2	2294	3	0	0	517	0	0
30	0	0	0	233	0	18	6	0	3	4	2	2	0	0	6	0	1700	1	0	0	2	1
11	1	0	0	2	0	6	8	10	4	2	4	9	0	1	18	0	44	972	0	1	30	10
1	0	1	60	1	0	0	0	0	0	0	0	1	6	0	2	3	5	2	667	8	0	0
4	123	1	0	1	0	0	4	1	1	0	0	12	18	11	8	0	8	5	5	3022	0	1
1	0	0	0	1	0	0	0	1	1	0	0	0	0	1	2	0	5	6	0	0	207	0
14	0	0	0	1	0	2	4	0	27	0	0	0	1	1	6	0	7	0	0	0	0	192

0.8445234894752502

Adadelta

mean_squared_error

4068	1	0	0	10	0	14	4	0	2	1	59	1	0	4	13	0	3	1	0	0	0	0
13	1044	1	0	0	2	1	2	1	1	0	931	3	0	0	1	0	1	0	0	0	0	0
0	3	605	1	1	0	0	1	4	0	0	0	0	0	0	22	0	5	1	0	0	0	0
4	0	0	832	0	0	0	4	0	0	0	0	2	0	0	8	5	2	1	194	14	0	0
21	1	0	0	2068	0	3	1	0	1	0	0	10	0	1	6	0	28	0	0	0	0	0
0	1	9	13	0	1039	0	0	0	0	2	0	11	1	0	23	20	1	34	0	18	0	0
38	0	1	0	3	0	4359	6	2094	2	0	9	18	0	5	34	2	2	1	0	1	0	0
49	0	2	0	23	0	22	3217	4	6	0	1	5	0	4	39	0	3	0	0	2	0	0
21	0	0	0	2	0	1141	12	3461	4	2	11	27	0	4	36	5	3	1	0	7	0	0
15	0	0	1	5	0	4	8	2	926	2	4	1	0	2	4	0	3	0	0	0	0	0
16	0	1	0	4	0	13	4	1	2	955	1	1	0	3	22	0	11	1	0	2	0	0
1133	29	0	0	2	1	8	1	3	0	0	1867	6	0	2	6	0	0	1	0	0	0	0
35	9	3	4	20	3	24	5	93	3	5	3	2458	5	5	154	2	63	4	0	12	0	0
3	6	97	78	0	30	1	4	4	182	13	0	25	12	2	5	23	53	26	12	131	0	0
12	0	0	0	6	0	6	2	0	1	0	0	1	0	1058	12	13	2	0	0	2	0	0
81	1	0	0	23	0	31	23	6	7	7	5	6	0	10	6223	1	9	0	0	2	0	0
0	0	0	2	0	0	2	0	0	0	1	0	1	0	6	3	2286	1	1	0	523	0	0
40	0	0	0	379	0	19	11	1	3	2	1	4	0	3	23	0	1519	3	0	0	0	0
12	1	1	0	2	12	5	28	15	6	4	4	5	0	1	61	0	72	899	0	5	0	0
6	0	1	411	1	0	0	1	1	0	0	0	2	0	2	8	2	2	1	303	16	0	0
6	80	2	3	0	11	0	4	0	1	1	0	10	2	11	15	4	5	4	2	3064	0	0
8	0	5	0	1	17	0	6	1	0	1	0	2	0	2	83	0	39	60	0	0	0	0
45	0	0	2	5	0	4	21	0	95	1	0	1	0	1	39	1	38	1	0	1	0	0

0.8040752410888672

mean_squared_logarithmic_error

3980	10	1	0	13	0	28	14	0	6	3	79	2	0	6	26	0	9	3	0	1	0	0
88	1004	0	0	1	0	5	3	0	0	1	884	5	0	2	3	0	2	0	0	3	0	0
5	4	389	7	7	0	5	70	4	7	20	2	10	3	14	58	0	29	3	2	4	0	0
3	1	9	676	0	6	8	6	64	0	1	0	20	3	1	11	18	1	12	181	45	0	0
58	1	0	0	1957	0	6	7	0	1	2	0	2	0	10	13	0	83	0	0	0	0	0
0	0	1	9	0	972	0	3	1	0	0	0	7	0	0	7	39	1	44	13	75	0	0
16	2	0	1	4	0	5968	14	520	3	1	10	17	1	3	10	3	2	0	0	0	0	0
75	0	1	1	14	1	40	3165	5	4	8	0	1	0	6	42	0	12	2	0	0	0	0
8	3	2	1	2	0	3075	26	1521	9	2	17	36	2	4	15	3	2	2	4	3	0	0
15	0	1	0	6	3	6	53	1	864	5	2	0	2	0	6	0	13	0	0	0	0	0
54	0	1	2	7	0	15	44	1	5	799	1	0	2	6	44	2	49	2	0	3	0	0
1332	265	0	0	8	1	16	10	1	1	1	1390	13	0	2	9	0	1	3	0	6	0	0
27	20	34	6	60	0	155	16	240	12	10	5	2120	21	3	50	0	61	10	27	32	0	1
1	4	4	8	0	0	2	7	2	49	4	0	5	564	1	2	4	10	3	2	35	0	0
14	1	0	0	3	0	7	7	1	0	6	1	0	0	1006	16	44	3	0	0	6	0	0
111	4	2	1	25	3	56	81	11	10	39	5	10	2	13	6000	4	51	1	0	6	0	0
0	0	5	6	0	0	7	6	4	0	1	0	8	3	23	5	1882	1	0	4	871	0	0
74	0	1	0	319	0	20	28	0	7	6	3	8	0	5	56	0	1479	1	0	1	0	0
10	1	0	3	2	3	7	93	13	7	24	6	6	0	1	25	1	75	852	0	4	0	0
2	1	11	413	0	2	5	10	91	1	1	0	21	11	2	3	13	2	2	133	33	0	0
25	67	8	3	0	11	0	21	9	2	5	3	22	26	27	17	100	6	18	19	2836	0	0
4	0	6	1	0	1	0	25	0	2	0	0	3	0	1	9	0	42	126	3	2	0	0
63	0	0	1	1	0	5	46	4	94	4	0	0	1	1	13	0	22	0	0	0	0	0

0.7525922060012817

squared_hinge

4122	0	0	0	9	0	19	10	5	2	1	0	0	0	0	10	0	2	1	0	0	0	0
1956	0	0	0	2	0	0	2	9	1	1	0	6	0	0	4	0	1	0	0	19	0	0
31	0	0	1	25	2	0	136	4	45	45	0	17	0	0	138	0	188	3	0	8	0	0
3	0	0	29	0	45	0	6	158	79	43	0	316	0	0	16	0	52	18	0	301	0	0
180	0	0	1	1787	0	8	25	3	0	1	0	8	0	0	37	0	88	0	0	2	0	0
2	0	0	1	0	985	0	1	0	0	1	0	20	0	0	14	0	2	30	0	116	0	0
31	0	0	0	0	0	3213	3	3298	0	3	0	16	0	0	6	0	1	0	0	4	0	0
124	0	0	0	11	0	14	3151	31	0	1	0	2	0	0	37	0	4	0	0	2	0	0
23	0	0	0	2	4	832	4	3812	1	7	0	36	0	0	7	0	4	0	0	5	0	0
89	0	0	0	6	1	4	239	18	348	20	0	4	0	0	78	0	161	7	0	2	0	0
110	0	0	0	11	0	9	66	6	4	639	0	1	0	0	61	0	88	21	0	21	0	0
3016	0	0	0	4	0	7	4	9	2	1	0	5	0	0	4	0	2	3	0	2	0	0
42	0	0	16	52	12	15	6	146	29	68	0	2227	0	0	35	0	229	3	0	30	0	0
10	0	0	3	0	0	1	8	6	164	51	0	31	0	0	18	0	123	63	0	229	0	0
97	0	0	0	27	0	5	17	4	0	32	0	3	0	0	38	0	11	0	0	881	0	0
127	0	0	1	37	7	19	62	37	3	84	0	11	0	0	5945	0	89	3	0	10	0	0
0	0	0	0	0	0	1	1	5	0	4	0	9	0	0	5	0	2	0	0	2799	0	0
175	0	0	1	416	1	20	33	5	3	12	0	2	0	0	62	0	1275	2	0	1	0	0
36	0	0	0	2	8	2	52	21	20	26	0	9	0	0	49	0	157	748	0	3	0	0
0	0	0	14	0	43	0	2	178	38	8	0	220	0	0	8	0	24	4	0	218	0	0
63	0	0	1	3	10	0	9	2	14	31	0	16	0	0	18	0	5	4	0	3049	0	0
3	0	0	1	7	5	0	8	0	23	0	0	4	0	0	18	0	47	106	0	3	0	0
90	0	0	0	2	0	4	40	3	21	7	0	0	0	0	23	0	59	6	0	0	0	0

0.5960693359375

categorical_hinge

4056	0	0	0	5	0	31	2	0	0	1	83	0	0	0	2	0	0	1	0	0	0	0
0	996	0	0	0	0	2	0	0	0	0	1003	0	0	0	0	0	0	0	0	0	0	0
0	3	594	0	0	0	0	1	14	0	0	0	0	0	0	26	0	3	2	0	0	0	0
1	0	2	138	0	0	0	1	0	0	0	0	2	1	0	6	0	1	1	910	3	0	0
19	1	1	0	2052	0	21	7	0	1	0	0	0	0	1	10	0	27	0	0	0	0	0
1	0	1	0	0	1162	0	0	1	1	0	0	0	0	0	0	0	1	5	0	0	0	0
24	0	0	0	2	0	5829	11	674	2	0	10	6	0	2	12	1	1	1	0	0	0	0
35	0	1	0	11	0	21	3281	1	0	0	1	2	1	1	19	0	2	1	0	0	0	0
5	0	0	0	2	0	2633	7	2034	3	0	16	16	0	1	14	0	2	3	0	1	0	0
18	0	0	0	3	0	7	6	1	925	0	3	1	3	0	4	0	5	1	0	0	0	0
9	0	1	0	4	2	14	13	2	1	946	1	1	1	1	20	0	17	2	0	2	0	0
356	0	0	0	1	0	15	0	0	0	0	2684	0	0	2	1	0	0	0	0	0	0	0
7	8	2	3	5	0	39	3	115	0	1	5	2619	1	3	51	0	43	4	0	1	0	0
0	7	0	0	0	0	1	0	2	3	0	0	9	668	1	3	0	8	3	0	2	0	0
8	0	1	0	5	0	18	4	2	1	0	0	2	0	1061	6	1	5	1	0	0	0	0
59	0	1	0	13	0	45	29	7	4	0	17	5	0	6	6236	0	12	1	0	0	0	0
0	0	0	3	0	3	2	3	1	0	0	0	57	0	2	8	2236	1	9	1	500	0	0
26	0	0	0	147	0	28	11	0	2	1	4	1	0	0	11	0	1774	3	0	0	0	0
10	0	0	0	2	1	11	20	19	3	0	5	14	1	1	30	0	23	992	0	1	0	0
1	0	1	64	0	0	0	0	0	0	0	0	2	5	0	10	0	5	2	664	3	0	0
3	381	3	4	0	2	0	7	65	2	0	6	100	17	4	44	0	11	14	10	2552	0	0
1	0	0	0	0	70	2	4	5	0	0	0	5	0	1	21	0	5	111	0	0	0	0
22	0	0	0	3	0	4	26	2	93	0	0	3	1	2	36	0	60	3	0	0	0	0

0.827590823173523

logcosh

3820	29	0	0	15	0	33	18	1	7	5	131	3	0	9	91	0	11	4	0	4	0	0
139	834	0	0	2	0	10	3	0	0	0	950	4	0	3	30	0	2	1	0	23	0	0
4	6	0	0	19	1	6	146	11	56	5	1	40	0	18	203	5	96	0	1	25	0	0
9	4	1	33	5	5	17	7	231	28	7	1	292	0	7	106	70	14	21	24	184	0	0
85	1	0	0	1651	0	3	9	0	0	1	2	6	0	8	104	1	269	0	0	0	0	0
1	0	0	1	1	834	0	3	0	0	0	1	4	0	0	140	50	3	56	0	78	0	0
18	3	0	0	6	0	4607	11	1804	1	1	19	50	0	6	43	1	5	0	0	0	0	0
166	0	0	0	11	1	40	2888	5	5	9	0	1	0	4	230	2	14	1	0	0	0	0
17	5	0	1	5	2	2068	25	2461	5	0	22	43	0	14	52	9	4	1	0	3	0	0
75	1	0	1	11	0	7	206	5	481	6	2	0	0	0	157	0	24	1	0	0	0	0
144	0	0	0	7	0	15	87	2	4	351	1	0	0	5	311	17	76	12	0	5	0	0
1303	350	0	0	6	0	22	7	1	5	8	1249	16	0	4	56	0	4	9	0	19	0	0
33	30	0	4	112	2	124	18	329	83	4	23	1883	0	8	135	6	56	6	17	37	0	0
1	7	0	3	6	0	1	6	0	282	3	0	23	0	0	156	34	30	36	0	119	0	0
25	7	0	0	4	0	6	5	0	0	5	2	0	0	946	34	73	2	0	0	6	0	0
141	2	0	0	45	2	37	144	21	44	16	9	9	0	10	5878	4	54	9	4	6	0	0
1	2	1	0	0	0	4	11	17	0	4	0	13	0	96	20	1370	3	1	5	1278	0	0
113	1	0	0	451	0	14	20	1	2	2	4	12	0	3	242	0	1142	1	0	0	0	0
37	3	0	0	3	3	3	134	16	12	21	11	10	0	0	91	1	109	673	0	6	0	0
3	2	2	35	0	2	8	8	213	15	3	2	205	0	6	70	47	9	8	13	106	0	0
39	99	0	5	3	11	0	26	14	12	9	54	21	0	69	70	451	6	9	11	2316	0	0
10	0	0	2	6	1	0	44	0	6	0	1	3	0	4	16	0	60	68	0	4	0	0
120	0	0	0	3	0	5	32	1	47	1	0	0	0	1	30	0	15	0	0	0	0	0

0.6360229253768921

categorical_crossentropy

4152	0	1	0	2	0	0	8	0	0	2	6	0	0	2	2	0	5	1	0	0	0	0
0	1263	0	0	0	0	1	1	1	2	1	715	4	0	3	4	0	2	3	0	0	1	0
0	3	610	0	0	0	0	2	2	0	0	0	1	0	0	12	0	11	2	0	0	0	0
0	0	0	310	0	0	0	1	0	0	0	0	1	0	0	1	0	1	1	732	19	0	0
23	0	1	0	2078	0	3	8	0	3	2	0	0	0	5	5	0	11	0	0	0	0	1
0	0	1	1	0	1153	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	14	0
53	0	0	0	5	0	4464	19	1930	9	9	2	8	0	13	39	1	9	7	0	2	1	4
27	0	1	0	6	0	3	3321	0	0	0	0	0	1	1	10	0	4	1	0	0	1	1
17	0	0	0	2	0	965	15	3602	14	9	7	18	2	8	25	2	23	11	0	9	2	6
18	0	0	0	3	0	1	3	0	934	1	1	0	0	1	1	0	2	0	0	0	0	12
4	0	1	0	1	0	1	5	0	1	1012	0	1	0	1	2	0	5	1	0	2	0	0
1331	0	0	0	3	0	10	8	1	0	1	1678	2	1	3	13	0	5	1	0	0	0	2
25	7	3	1	5	0	8	8	29	10	1	1	2587	5	18	52	0	116	10	1	9	6	8
1	1	0	0	0	0	1	0	0	3	0	0	5	680	1	3	0	7	0	1	3	0	1
4	0	0	0	2	0	1	3	0	1	0	0	0	0	1090	1	5	6	0	0	2	0	0
56	0	1	0	10	0	19	36	6	7	2	3	6	1	9	6237	0	39	0	0	2	0	1
0	0	0	3	0	0	2	0	0	0	0	0	0	0	1	2	2177	2	1	0	638	0	0
27	0	0	0	125	0	7	8	0	4	3	1	0	0	0	5	0	1824	2	0	0	2	0
11	0	0	0	2	0	4	12	5	6	1	1	8	0	1	9	0	49	1008	0	5	6	5
0	0	1	108	0	0	0	1	0	0	0	0	2	4	0	1	1	3	2	620	14	0	0
3	94	1	1	0	0	0	3	0	2	0	0	9	14	12	8	0	10	6	3	3057	0	2
0	0	0	0	0	0	0	1	1	2	0	0	1	0	1	0	0	5	6	0	0	208	0
8	0	0	0	1	0	0	3	0	14	0	0	0	1	1	3	0	4	0	0	1	0	219

0.842525839805603

kullback_leibler_divergence

4164	0	0	0	1	0	0	6	0	0	2	2	0	0	1	0	0	1	4	0	0	0	0
0	909	0	0	0	0	2	2	1	2	0	1073	2	0	0	1	0	1	6	0	0	1	1
2	3	573	1	0	0	0	4	10	0	0	0	0	0	2	19	0	17	8	3	0	0	1
0	0	0	37	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1024	2	0	0
44	0	1	0	2006	0	7	22	0	4	1	0	1	0	6	5	0	40	0	0	0	1	2
2	0	0	1	0	1149	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	16	0
52	0	0	0	3	0	4923	17	1529	7	1	2	1	0	7	15	1	5	8	0	0	1	3
31	0	1	0	2	0	3	3328	0	0	0	0	0	0	0	6	0	3	2	0	0	1	0
20	0	0	0	2	0	1515	13	3137	4	1	7	6	1	2	9	1	4	8	0	2	1	4
25	0	0	0	3	0	1	6	1	911	0	1	0	5	1	2	0	3	1	0	0	0	17
10	0	1	0	1	0	5	9	1	1	995	0	1	0	1	1	0	7	1	0	2	0	1
1848	0	0	0	2	0	11	5	3	0	1	1176	0	0	2	3	0	2	4	0	0	0	2
54	7	3	1	3	0	11	11	80	7	1	0	2554	6	4	26	0	91	30	2	1	7	11
2	1	0	0	0	0	1	0	0	2	0	0	4	684	1	0	0	6	3	2	0	0	1
12	0	0	0	1	0	2	4	0	1	0	0	0	0	1078	1	9	5	1	0	1	0	0
129	0	1	0	9	0	38	63	6	8	3	3	5	1	9	6105	0	43	6	0	1	1	4
2	0	0	4	0	0	2	0	0	0	0	0	1	0	2	1	2427	0	3	2	382	0	0
34	0	0	0	37	0	16	12	0	1	3	0	1	1	0	5	0	1893	2	0	0	1	2
17	0	0	0	1	0	4	11	6	4	1	1	7	1	1	3	0	20	1047	0	0	6	3
0	0	0	10	0	0	0	0	0	0	0	0	1	4	0	1	0	2	2	737	0	0	0
11	91	1	1	0	0	0	11	7	2	0	0	38	35	10	4	0	15	63	23	2911	1	1
1	0	0	0	0	0	0	2	1	1	0	0	1	0	1	0	0	1	6	0	0	211	0
9	0	0	0	1	0	0	5	1	7	0	0	0	1	1	2	0	2	0	0	0	0	226

0.8215407133102417

poisson

4111	0	1	0	4	0	11	9	0	0	3	27	0	0	5	3	0	3	2	0	0	0	2
2	1196	0	0	0	1	5	2	1	1	1	784	1	0	0	3	0	1	2	0	1	0	0
1	3	594	1	0	0	0	1	6	0	1	0	0	0	3	19	0	6	4	3	0	0	1
0	0	0	143	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	915	4	0	0
22	1	1	0	2073	0	6	6	0	1	2	0	1	0	4	5	0	18	0	0	0	0	0
0	0	0	1	0	1155	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	13	0
34	0	1	0	4	0	5597	6	882	2	0	3	4	0	5	28	2	2	1	0	0	1	3
28	0	2	0	10	0	22	3289	0	0	0	0	0	1	3	14	0	2	4	0	1	1	0
18	0	0	0	2	0	2018	10	2636	2	5	6	8	1	4	18	1	3	0	0	3	1	1
15	0	0	0	3	0	3	3	1	909	1	1	0	5	2	3	0	3	0	0	0	0	28
6	0	1	0	3	0	10	2	0	1	1000	0	0	1	1	3	0	6	1	0	2	0	0
1406	7	0	0	2	0	18	2	7	0	1	1590	3	0	3	13	0	2	4	0	0	0	1
30	8	3	3	8	0	30	6	128	3	3	1	2473	6	7	87	1	87	8	1	6	6	5
2	0	0	0	0	0	0	1	0	0	2	1	0	2	686	1	2	0	4	0	0	5	0	1
5	0	0	0	2	0	3	2	0	1	0	0	2	0	1080	4	12	3	0	0	0	0	1
76	0	1	0	17	0	36	27	4	9	6	3	3	1	8	6228	1	13	1	0	1	0	0
1	0	0	4	0	0	2	0	1	0	0	0	0	0	2	2	2309	0	1	1	503	0	0
29	0	0	0	257	0	20	11	0	4	4	1	2	0	1	8	0	1668	2	0	0	1	0
10	0	0	0	2	0	7	9	8	2	1	3	6	0	1	20	1	45	993	0	3	17	5
0	0	1	34	0	0	0	0	0	0	0	0	1	4	0	1	1	3	2	707	3	0	0
4	65	1	1	2	0	0	8	2	0	0	0	8	17	11	10	0	5	8	8	3075	0	0
2	0	0	0	1	0	0	0	1	0	0	0	0	0	1	4	0	4	18	0	0	194	0
12	0	0	0	2	0	3	4	0	29	0	0	0	1	1	10	0	5	0	0	0	0	188

0.8351058959960938

cosine_proximity

4176	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
4	600	0	0	0	1	3	3	2	2	2	1363	8	0	2	4	0	4	1	0	1	1	0
14	3	541	1	0	0	0	6	16	0	0	0	0	0	6	34	0	15	5	0	0	0	2
2	0	0	371	0	0	0	1	0	0	0	0	1	0	0	1	3	7	1	664	15	0	0
25	0	1	0	2090	0	3	6	0	1	1	0	0	0	0	0	0	12	0	0	0	0	1
0	0	0	1	0	1152	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	17	0
62	0	0	0	5	0	5200	19	1232	6	1	0	8	0	9	21	1	4	1	0	0	2	4
39	0	1	0	8	0	13	3297	0	0	0	0	0	1	1	11	0	4	1	0	0	1	0
32	0	0	0	2	0	1539	12	3074	5	3	2	21	3	5	9	4	6	1	0	6	4	9
22	0	0	0	4	0	2	4	0	911	0	0	0	1	1	2	0	1	0	0	0	0	29
13	0	1	0	3	0	9	4	2	1	988	0	0	1	1	3	0	8	1	0	2	0	0
2810	0	0	0	2	0	7	0	0	0	0	233	1	0	1	3	0	1	1	0	0	0	0
33	5	2	3	7	1	12	3	48	7	1	1	2630	3	8	28	5	80	5	0	8	6	14
2	0	0	0	0	1	1	0	0	3	0	0	5	675	1	1	2	11	0	1	3	0	1
15	0	0	0	5	0	4	4	0	1	0	0	0	0	1049	2	30	4	0	0	1	0	0
113	0	0	0	14	0	35	50	5	8	1	0	6	0	8	6148	1	42	1	0	1	0	2
1	0	0	1	0	0	2	0	0	0	0	0	0	0	1	1	2556	0	0	0	264	0	0
33	0	0	0	183	0	17	11	0	2	3	0	0	0	0	5	0	1751	0	0	1	1	1
22	0	0	0	2	0	6	16	9	3	1	1	9	0	2	17	0	48	945	0	8	34	10
3	0	1	142	0	0	0	0	0	0	0	0	1	5	0	1	3	12	2	567	19	0	1
7	0	1	0	1	5	0	7	1	1	0	0	16	15	6	3	2	10	4	5	3140	0	1
4	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	4	2	0	0	210	1
13	0	0	0	1	0	0	3	1	6	0	0	0	1	1	3	0	3	0	0	1	0	222

0.8090789914131165

Adam

mean_squared_error

4147	0	0	0	7	0	6	5	0	0	2	5	0	0	1	0	0	4	4	0	0	0	0
0	1046	0	0	0	0	3	1	3	2	1	923	9	0	0	0	0	2	8	0	0	1	2
0	3	553	1	0	1	0	5	24	0	1	0	1	0	0	12	0	20	15	0	0	1	6
0	0	0	295	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	764	3	0	0
14	0	1	0	2096	0	3	6	0	2	1	0	0	0	0	0	0	15	0	0	0	1	1
0	0	0	1	0	1150	0	0	1	0	0	0	2	0	0	0	0	1	1	0	0	16	0
37	0	0	0	6	0	5483	9	1015	5	0	1	2	0	4	2	1	1	3	0	0	1	5
29	0	1	0	7	0	16	3311	0	0	0	0	0	1	0	6	0	3	2	0	0	1	0
8	0	0	0	2	0	1907	11	2743	4	1	9	31	0	1	3	0	2	7	0	0	1	7
17	0	0	0	3	0	2	4	0	876	0	1	0	0	1	0	0	1	0	0	0	0	72
4	0	0	0	3	0	7	5	2	1	1003	0	0	0	1	2	0	5	1	0	2	0	1
1537	0	0	0	2	0	16	3	4	0	1	1476	2	0	2	3	0	8	3	0	0	0	2
4	6	1	0	6	0	17	4	118	5	2	1	2617	0	1	14	0	74	13	0	0	4	23
0	0	0	0	1	0	1	0	2	5	0	0	16	653	1	0	0	15	3	1	1	0	8
6	0	0	0	6	0	11	4	4	1	0	0	7	0	1039	1	26	5	2	0	2	0	1
62	0	1	0	17	0	45	62	20	9	3	2	14	2	10	6024	0	120	6	0	1	1	36
0	0	0	4	0	0	2	0	1	0	0	0	4	0	1	1	2393	1	1	0	418	0	0
24	0	0	0	166	0	18	8	0	5	3	1	0	0	0	1	0	1777	1	0	0	2	2
11	0	0	0	2	0	7	4	8	2	0	1	11	0	1	3	0	29	1024	0	2	12	16
0	0	1	101	0	0	0	0	0	0	0	0	1	4	0	1	1	4	2	639	1	0	2
1	12	1	5	0	0	0	6	18	2	4	0	202	17	8	4	0	25	25	15	2877	0	3
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	8	0	0	210	3
7	0	0	0	2	0	1	3	1	4	0	0	0	1	1	2	0	0	0	0	0	0	233

0.8307490348815918

mean_squared_logarithmic_error

4162	0	0	0	6	0	0	4	0	0	2	4	0	0	1	0	0	0	2	0	0	0	0
0	1041	0	0	2	1	2	2	1	2	6	934	6	0	3	0	0	0	0	0	0	1	0
0	3	621	0	0	0	0	3	3	0	2	0	1	0	1	2	0	5	2	0	0	0	0
0	0	0	17	0	1	0	0	0	0	2	0	1	1	0	0	0	1	1	1034	8	0	0
15	0	1	0	2099	0	3	8	0	1	4	0	1	0	2	0	0	5	0	0	0	1	0
0	0	0	1	0	1157	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	12	0
44	0	0	0	6	0	5266	19	1170	8	23	2	11	1	18	4	0	1	1	0	0	0	1
31	0	0	0	6	0	5	3324	0	0	0	0	0	1	1	5	0	1	2	0	0	1	0
14	0	0	0	2	0	1682	12	2927	4	23	7	36	2	17	2	1	1	2	0	3	2	0
21	0	0	0	3	0	1	7	0	934	2	1	0	4	1	0	0	0	1	0	0	0	2
4	0	1	0	2	0	0	3	0	0	1023	0	0	0	1	0	0	0	1	0	2	0	0
1663	0	0	0	2	0	9	3	0	0	3	1374	0	0	2	1	0	0	1	0	0	0	1
11	7	3	0	5	0	9	7	30	3	49	0	2713	2	28	12	0	20	8	0	0	2	1
0	0	0	0	1	0	1	0	0	2	5	0	9	686	1	0	0	1	0	0	0	0	1
5	0	0	0	6	0	1	4	0	0	0	0	0	0	1093	1	2	2	0	0	1	0	0
91	0	1	0	18	0	41	114	13	12	64	2	24	3	43	5969	1	28	4	0	2	3	2
0	0	0	1	0	0	2	1	0	0	3	0	0	0	4	0	2528	0	1	0	286	0	0
29	0	0	0	327	0	19	13	0	5	11	1	3	1	3	5	0	1588	2	0	0	1	0
12	0	0	0	2	0	7	14	7	4	4	1	20	1	3	3	1	9	1020	0	2	22	1
0	0	1	7	0	1	0	0	0	0	5	0	4	7	0	1	0	3	2	725	1	0	0
1	10	5	0	1	0	0	8	1	2	51	0	164	35	33	2	0	5	9	9	2888	1	0
0	0	0	0	0	0	1	1	0	0	0	0	2	0	4	0	0	0	4	0	0	213	0
9	0	0	0	3	0	2	10	0	37	0	0	3	1	2	2	0	2	0	0	0	1	183

0.8285801410675049

squared_hinge

4132	1	1	0	6	0	12	6	0	0	3	0	0	2	3	2	0	9	4	0	0	0	0
63	1870	0	0	1	1	6	4	13	2	5	0	7	0	1	10	0	15	3	0	0	0	0
0	1	616	0	0	0	0	2	5	0	0	0	0	1	1	5	0	10	2	0	0	0	0
1	0	0	1013	0	0	0	2	0	0	0	0	4	6	1	1	0	10	1	0	27	0	0
16	0	1	0	2062	0	5	6	1	4	2	0	0	0	2	0	0	41	0	0	0	0	0
0	0	0	0	0	1163	0	0	0	0	0	0	1	0	0	0	0	1	7	0	0	0	0
30	0	0	0	4	0	4881	15	1623	5	5	0	0	0	6	2	1	2	1	0	0	0	0
29	0	1	0	7	0	10	3314	1	0	0	0	0	1	1	9	0	3	1	0	0	0	0
11	0	0	0	2	0	1169	10	3521	4	5	0	4	0	1	4	1	1	1	0	3	0	0
17	0	0	0	3	0	4	5	0	931	1	0	0	13	1	0	0	2	0	0	0	0	0
4	0	0	0	1	0	5	1	0	0	1019	0	0	0	1	1	0	2	1	0	2	0	0
2924	56	0	0	2	0	28	3	8	0	3	0	1	0	3	9	0	21	1	0	0	0	0
7	6	3	1	3	0	9	4	86	7	12	0	2587	12	7	21	2	128	10	0	5	0	0
0	0	0	0	0	0	1	0	0	3	0	0	1	693	1	0	0	7	0	0	1	0	0
3	0	0	0	4	0	6	4	1	1	1	0	3	0	1068	1	15	5	1	0	2	0	0
60	0	1	0	13	0	36	44	21	11	8	0	7	5	13	6116	0	95	3	0	2	0	0
0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	1	2492	1	0	0	328	0	0
24	0	0	0	68	0	19	6	1	2	3	0	1	1	0	3	0	1877	3	0	0	0	0
13	0	0	0	2	0	8	8	9	6	2	0	11	3	1	7	0	43	1012	0	8	0	0
0	0	2	660	0	0	0	0	0	0	0	0	6	21	0	3	3	13	2	0	47	0	0
1	78	2	1	0	0	0	3	5	1	0	0	15	32	6	2	0	13	6	0	3060	0	0
0	0	0	0	0	9	1	1	0	2	0	0	5	0	1	2	0	21	183	0	0	0	0
14	0	0	0	1	0	3	10	2	146	0	0	2	8	2	6	0	58	1	0	2	0	0

0.8262209892272949

categorical_hinge

4157	0	0	0	6	0	6	2	0	0	1	6	0	0	1	0	0	0	1	0	0	0	1
0	1236	0	0	0	0	0	0	0	2	0	763	0	0	0	0	0	0	0	0	0	0	0
0	3	586	1	0	0	0	15	5	0	0	0	0	0	3	10	0	13	3	0	0	0	4
1	0	0	383	0	0	0	3	0	0	0	0	3	1	0	1	0	23	1	639	9	0	2
18	0	1	0	2092	0	9	2	0	2	0	0	0	0	2	1	0	12	0	0	0	0	1
0	0	0	1	0	1151	0	1	0	0	0	0	2	0	0	0	0	2	7	0	0	0	8
47	0	0	0	6	0	5057	18	1388	7	1	7	5	0	11	15	0	3	1	0	0	0	9
37	0	1	0	14	0	21	3275	0	1	0	0	1	0	1	11	0	2	1	0	0	0	12
11	0	0	0	2	0	1292	17	3332	6	3	15	17	0	11	7	1	7	1	0	2	0	13
16	0	0	0	4	0	4	3	0	861	0	2	0	0	2	0	0	0	0	0	0	0	85
9	0	1	0	4	0	13	6	0	3	978	0	0	0	1	3	0	13	1	0	2	0	3
1026	0	0	0	2	0	6	1	0	0	0	2016	0	0	2	1	0	4	0	0	0	0	1
7	8	2	3	6	0	10	6	35	4	1	1	2669	2	15	19	0	67	4	0	0	0	51
0	1	0	0	0	0	1	0	0	8	0	0	6	656	1	0	0	17	0	0	0	0	17
6	0	0	0	6	0	13	5	0	1	0	0	0	0	1077	1	1	4	0	0	0	0	1
70	0	1	0	17	0	38	48	12	9	2	6	11	0	20	6066	0	83	1	0	1	0	50
0	0	0	3	0	0	2	1	0	0	0	0	1	0	4	3	2491	1	1	0	318	0	1
26	0	0	0	180	0	23	6	0	3	2	1	1	0	1	4	0	1755	1	0	0	0	5
10	0	0	0	2	0	8	25	6	3	1	4	20	1	3	18	0	43	935	0	3	0	51
1	0	1	119	0	0	0	2	0	0	0	0	5	5	0	2	2	27	2	576	6	0	9
2	183	1	1	0	0	0	13	3	2	0	0	89	31	23	6	0	38	11	6	2807	0	9
0	0	0	0	0	3	1	17	0	0	0	0	5	0	4	2	0	33	146	0	0	0	14
8	0	0	0	1	0	3	3	0	7	0	0	0	0	1	2	0	1	0	0	0	0	229

0.8444473743438721

logcosh

4165	0	0	0	7	0	0	1	0	0	2	1	0	0	1	0	0	2	2	0	0	0	0
0	906	0	0	2	1	1	0	1	2	1	1083	1	0	0	0	0	0	3	0	0	0	0
1	3	595	0	0	1	0	3	7	0	0	0	0	0	0	17	0	11	4	0	0	0	1
0	0	0	288	0	0	0	0	0	0	0	0	1	0	0	1	2	2	1	760	11	0	0
12	0	1	0	2120	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	1
0	0	0	1	0	1156	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	11	1
52	0	0	0	7	0	4926	11	1524	11	5	2	2	0	6	19	2	2	1	0	1	1	3
38	0	1	0	23	0	12	3265	2	5	0	0	0	1	1	13	0	6	1	0	0	1	8
20	0	0	0	2	0	1237	9	3413	6	3	6	7	0	1	9	8	3	1	0	2	2	8
18	0	0	0	4	0	1	1	0	943	0	1	0	0	0	0	0	0	0	0	0	0	9
6	0	0	0	4	0	5	4	0	1	1008	0	0	0	1	2	0	3	1	0	2	0	0
1902	0	0	0	2	0	4	0	0	0	1	1144	0	0	2	0	0	2	1	0	0	0	1
16	7	3	1	11	0	8	3	69	14	2	0	2566	1	6	44	5	99	12	0	10	4	29
1	0	0	0	1	0	1	0	0	16	0	0	6	629	1	1	7	20	3	1	18	0	2
6	0	0	0	9	0	4	4	0	3	0	0	1	0	900	2	180	3	1	0	1	0	1
73	0	0	0	25	0	33	24	6	16	2	2	3	0	8	6162	1	61	1	0	1	1	16
0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	1	2586	1	0	0	233	0	0
26	0	0	0	473	0	15	3	0	6	3	1	0	0	0	1	0	1476	1	0	0	2	1
11	0	0	0	2	1	8	5	7	7	1	1	11	0	1	10	1	34	988	0	5	27	13
0	0	1	98	0	0	0	0	0	0	0	0	1	5	0	1	5	5	2	630	9	0	0
1	7	1	1	2	0	0	1	2	4	0	0	14	7	6	4	4	15	8	5	3139	0	4
0	0	0	0	0	0	1	0	0	1	0	0	1	0	2	0	0	4	2	0	0	214	0
8	0	0	0	3	0	0	0	0	15	0	0	0	0	1	2	0	0	0	0	0	0	226

0.8265634179115295

categorical_crossentropy

4167	0	0	0	1	0	0	4	0	0	2	1	0	0	1	0	0	5	0	0	0	0	0
0	950	0	0	0	1	2	2	1	2	1	1036	2	0	1	2	0	1	0	0	0	0	0
2	3	541	1	0	0	0	2	8	0	0	0	1	0	14	29	0	39	1	1	0	0	1
0	0	0	73	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	986	3	0	0
28	0	1	0	2073	0	3	11	0	1	1	0	0	0	7	3	0	10	0	0	0	0	2
0	0	0	2	0	1158	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	9	1
65	0	0	0	6	0	4717	16	1712	5	5	2	5	0	13	21	0	4	1	0	0	0	3
34	0	1	0	3	0	1	3323	0	0	0	0	0	0	1	8	0	5	0	0	0	0	1
34	0	0	0	2	0	1360	14	3273	3	3	6	13	0	5	11	0	9	1	0	1	0	2
42	0	0	0	4	0	3	12	2	802	0	1	4	7	2	2	1	10	0	0	0	0	85
7	0	0	0	1	0	2	5	0	0	1009	0	0	0	3	1	0	6	1	0	2	0	0
2042	0	0	0	2	0	9	4	0	0	1	991	0	0	2	5	0	2	0	0	0	0	1
49	7	0	3	9	0	9	5	33	0	1	0	2640	1	14	35	0	96	1	0	0	0	7
4	1	0	0	0	0	1	1	0	0	0	0	12	667	1	1	0	16	0	2	0	0	1
5	0	0	0	0	0	1	4	0	0	0	0	0	0	1098	1	1	5	0	0	0	0	0
130	0	1	0	11	0	31	54	9	3	5	0	4	0	27	6079	0	75	0	0	1	0	5
2	0	0	3	0	0	2	0	0	0	0	0	1	0	5	0	2376	1	0	2	434	0	0
36	0	0	0	106	0	9	9	0	0	3	0	0	0	0	4	0	1840	0	0	0	0	1
45	0	0	0	2	1	5	55	19	2	1	1	27	1	4	50	0	185	707	0	7	8	13
0	0	0	44	0	0	0	0	0	0	0	0	1	3	0	1	1	3	0	704	0	0	0
14	174	1	0	0	0	0	6	2	0	0	1	62	13	29	35	0	27	5	18	2837	0	1
13	0	0	0	0	0	0	3	1	0	0	0	3	0	5	10	0	15	2	0	0	172	1
9	0	0	0	1	0	0	3	1	2	0	0	0	1	1	3	0	2	0	0	0	0	232

0.8072335124015808

kullback_leibler_divergence

4159	0	1	0	1	0	0	3	0	0	2	5	0	0	1	3	0	6	0	0	0	0	0
0	1134	0	0	0	1	6	0	3	2	1	823	2	0	1	23	0	1	4	0	0	0	0
0	3	587	0	0	0	0	1	3	0	0	0	0	0	0	38	0	9	2	0	0	0	0
0	0	0	113	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	941	9	0	0
29	0	1	0	2033	0	8	10	0	2	2	0	0	0	7	18	0	26	0	0	0	0	4
0	0	0	1	0	1156	0	0	0	0	0	0	1	0	0	1	0	1	2	0	0	10	0
33	0	0	0	2	0	5253	8	1224	5	3	1	0	0	7	32	1	3	2	0	0	0	1
34	0	2	0	3	0	14	3285	3	1	0	0	0	1	1	21	0	11	0	0	0	0	1
6	0	0	0	1	0	1566	8	3116	3	1	5	2	0	2	19	0	5	1	0	0	1	1
24	0	0	0	4	0	3	4	1	885	0	1	0	14	3	5	1	5	1	0	0	0	26
5	0	1	0	1	0	5	1	1	1	1009	0	0	0	1	4	0	5	1	0	2	0	0
1479	0	0	0	2	0	24	1	3	0	1	1523	0	0	2	18	0	4	1	0	0	0	1
15	7	3	0	5	0	9	2	100	0	3	0	2516	3	9	149	0	73	8	0	2	2	4
1	1	0	0	0	0	1	0	1	2	0	0	6	680	1	3	0	9	0	1	0	0	1
4	0	0	0	1	0	3	4	0	0	0	0	0	0	1073	5	18	6	0	0	1	0	0
53	0	1	0	4	0	29	10	6	3	2	0	2	0	7	6295	0	21	0	0	1	0	1
0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	2414	2	0	1	401	0	0
28	0	0	0	43	0	17	6	0	2	3	1	1	1	0	5	0	1898	2	0	0	1	0
12	0	0	0	1	0	7	4	10	1	1	1	9	1	1	32	0	68	972	0	4	3	6
0	0	1	33	0	0	0	0	0	0	0	0	2	5	0	1	2	3	2	704	4	0	0
5	127	1	0	0	0	0	2	4	1	0	0	34	24	16	73	0	14	12	9	2901	0	2
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	6	15	0	0	200	0
9	0	0	0	1	0	1	0	1	5	0	0	0	1	1	11	0	2	0	0	0	0	223

0.8395769000053406

poisson

4161	0	0	0	1	0	0	4	0	0	1	8	0	0	1	0	0	5	0	0	0	0	0
0	1007	0	0	1	0	0	0	1	2	0	983	2	0	0	1	0	0	3	0	0	1	0
0	3	548	0	0	0	0	2	6	0	0	0	1	0	0	19	0	60	4	0	0	0	0
2	0	0	343	0	0	0	1	0	0	0	0	3	0	0	1	0	6	2	701	7	0	0
24	0	1	0	2101	0	0	5	0	1	1	0	0	0	0	1	0	5	0	0	0	0	1
0	0	0	0	0	1142	0	0	0	0	0	0	1	0	0	0	0	2	7	0	0	20	0
66	0	0	0	7	0	3426	13	2986	7	4	7	14	0	7	23	1	7	4	0	0	0	3
38	0	1	0	10	0	4	3295	1	1	0	0	0	1	1	7	0	16	1	0	0	0	1
25	0	0	0	2	0	525	13	4100	5	2	12	19	1	2	10	0	13	6	0	0	1	1
27	0	0	0	3	0	1	5	1	914	0	1	0	4	1	2	0	7	1	0	0	0	10
9	0	1	0	2	0	2	6	0	1	993	0	3	0	1	1	0	15	1	0	2	0	0
1048	0	0	0	2	0	3	2	1	0	1	1993	0	0	2	2	0	3	1	0	0	0	1
32	7	2	0	9	0	5	6	29	3	1	3	2674	1	2	26	0	88	15	0	0	3	4
0	1	0	0	2	0	1	0	0	2	0	0	9	669	1	0	0	20	0	1	0	0	1
9	0	0	0	6	0	1	4	0	1	0	0	5	0	1062	2	13	11	1	0	0	0	0
91	0	0	0	20	0	21	31	14	4	2	11	8	0	8	6124	0	99	0	0	1	0	1
1	0	0	1	0	0	2	0	0	0	0	0	2	0	1	2	2575	1	3	0	238	0	0
29	0	0	0	187	0	8	5	0	2	2	1	1	0	0	2	0	1768	2	0	0	1	0
14	0	0	0	2	0	4	7	4	3	0	1	12	1	1	6	0	60	1003	0	1	11	3
5	0	1	146	0	0	0	1	0	0	0	0	6	4	0	3	3	8	2	576	1	0	1
13	254	2	6	5	0	0	12	3	1	0	0	195	25	11	23	0	57	102	7	2507	1	1
1	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	3	28	0	0	189	0
9	0	0	0	2	0	0	3	1	7	0	0	2	1	1	3	0	7	0	0	0	1	218

0.8254789710044861

cosine_proximity

4155	0	0	0	7	0	0	4	0	0	2	8	0	0	1	0	0	3	1	0	0	0	0
0	1156	0	0	0	0	1	1	0	2	1	839	0	0	0	0	0	1	0	0	0	0	0
0	3	585	0	0	3	0	8	6	0	8	0	0	0	2	16	0	11	1	0	0	0	0
0	0	0	32	0	1	0	3	0	0	1	0	1	0	0	1	0	2	1	1022	2	0	0
12	0	0	0	2111	0	3	4	0	1	2	0	0	0	2	0	0	5	0	0	0	0	0
0	0	0	1	0	1158	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	11	0
40	0	0	0	6	0	5562	18	902	4	13	6	5	0	7	8	1	1	1	0	0	0	1
29	0	1	0	9	0	6	3319	0	0	0	0	0	1	1	6	0	4	0	0	0	1	0
7	0	0	0	3	0	1907	12	2751	3	11	12	18	0	1	6	0	3	1	0	0	1	1
18	0	0	0	4	0	4	8	0	901	1	2	0	7	2	3	0	10	1	0	0	0	16
4	0	0	0	2	0	1	0	0	0	1025	0	0	0	1	1	0	2	0	0	1	0	0
953	0	0	0	2	0	6	2	0	0	1	2086	0	0	2	2	0	3	1	0	0	0	1
7	7	3	3	7	0	10	8	45	0	9	1	2701	4	6	19	0	71	5	0	0	3	1
0	1	0	0	0	1	1	2	0	0	3	0	9	676	1	0	0	12	0	0	0	0	1
6	0	0	0	6	0	6	5	0	0	0	0	3	0	1080	2	2	5	0	0	0	0	0
66	0	1	0	18	0	41	91	10	4	13	6	6	1	14	6107	0	55	0	0	1	0	1
0	0	0	3	0	1	2	4	0	0	2	0	5	1	3	2	2467	0	1	0	335	0	0
27	0	0	0	336	0	18	15	0	3	6	1	0	0	0	5	0	1595	1	0	0	1	0
8	0	0	0	2	1	8	20	9	2	3	4	17	2	3	7	0	74	939	0	2	28	4
0	0	1	7	1	1	0	0	0	0	0	0	1	5	0	1	0	4	2	733	1	0	0
2	240	1	1	1	12	0	26	5	1	14	0	141	56	25	13	0	50	6	18	2612	1	0
0	0	0	0	0	1	1	3	0	0	0	0	1	0	2	0	0	8	1	0	0	208	0
8	0	0	0	4	0	4	8	0	10	1	0	3	1	1	2	0	7	0	0	0	0	206

0.8402618169784546

Adamax

mean_squared_error

4175	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0
0	797	0	0	0	0	2	0	1	2	0	1194	1	0	0	0	0	1	2	0	0	1	0
5	3	595	0	0	0	0	2	8	0	0	0	0	0	0	18	0	6	5	0	0	0	1
2	0	0	511	0	0	0	2	0	0	0	0	1	1	0	1	0	1	1	539	7	0	0
23	0	1	0	2089	0	4	5	0	3	0	0	0	0	0	0	0	11	0	0	0	1	3
1	0	0	2	0	1107	0	0	0	0	0	0	2	0	0	0	0	0	1	0	1	26	32
59	0	0	0	5	0	5417	17	1036	6	0	2	1	0	7	14	1	2	1	0	0	1	6
37	0	1	0	8	0	9	3303	0	0	0	0	0	1	1	9	0	3	2	0	0	0	3
21	0	0	0	2	0	1686	12	2983	5	1	6	3	0	2	5	0	1	1	0	3	1	5
19	0	0	0	3	0	3	3	0	883	0	1	0	0	1	1	0	0	0	0	0	0	63
12	0	1	0	4	0	10	4	1	1	986	0	0	1	1	4	0	7	1	0	2	0	2
2025	0	0	0	2	0	4	1	0	0	0	1022	0	0	2	1	0	0	1	0	0	0	1
40	6	3	1	5	0	9	5	101	6	1	1	2566	3	11	34	0	46	17	0	3	2	50
2	0	0	0	0	0	1	0	0	3	0	0	5	683	1	1	0	4	0	0	1	0	6
6	0	0	0	5	0	4	4	0	1	0	0	0	0	1085	1	1	4	0	0	2	0	2
90	0	1	0	15	0	37	42	10	8	2	2	6	1	11	6158	0	27	1	0	1	0	23
1	0	0	8	0	0	2	2	0	0	0	0	1	0	2	2	1714	1	1	0	1092	0	0
30	0	0	0	156	0	17	8	0	4	3	1	0	0	0	5	0	1778	1	0	0	1	4
15	0	0	0	2	0	9	9	5	4	1	1	9	1	1	9	0	18	1016	0	3	7	23
7	0	1	166	0	0	0	0	0	0	0	0	1	6	0	1	0	5	2	563	3	0	2
9	18	1	3	0	0	0	4	5	1	0	0	30	21	13	7	0	10	18	3	3077	0	5
1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	2	10	0	0	203	5
8	0	0	0	1	0	0	3	1	3	0	0	0	1	1	1	0	0	0	0	0	0	236

0.8170887231826782

mean_squared_logarithmic_error

4169	0	0	0	3	0	0	4	0	0	1	3	0	0	0	0	0	1	0	0	0	0	0
0	1154	0	0	0	0	1	2	1	2	0	831	5	0	0	1	0	1	2	0	0	1	0
0	3	582	1	0	0	0	7	8	0	0	0	0	0	0	34	0	4	2	0	0	0	2
0	0	0	384	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	668	10	0	0
20	0	1	0	2091	0	4	9	0	2	0	0	1	0	0	3	0	6	0	0	0	1	2
1	0	0	2	0	1146	0	1	0	0	0	0	3	0	0	0	0	0	1	0	0	15	3
47	0	0	0	6	0	5658	19	797	5	0	2	5	0	6	23	1	1	1	0	0	1	3
32	0	1	0	6	0	4	3323	0	0	0	0	0	0	0	9	0	1	1	0	0	0	0
17	0	0	0	2	0	2062	18	2584	2	1	6	20	0	1	12	0	1	1	0	5	1	4
19	0	0	0	4	0	3	16	0	830	0	1	1	9	1	2	0	1	0	0	0	0	90
9	0	1	0	4	0	11	23	0	1	973	0	1	0	1	5	0	5	1	0	2	0	0
1886	0	0	0	2	0	9	4	0	0	0	1142	3	0	1	8	0	1	1	0	1	0	1
13	7	2	4	5	0	11	14	38	1	1	0	2704	2	2	50	0	25	6	1	5	3	16
0	0	0	0	0	0	1	2	0	1	0	0	10	674	1	4	0	4	0	1	6	0	3
10	0	0	3	5	0	8	7	1	1	0	0	8	0	1034	11	10	6	0	0	7	0	4
64	0	1	0	15	0	35	57	5	4	2	1	4	1	4	6219	0	13	1	0	1	0	8
0	0	0	7	0	0	2	4	0	0	0	0	1	0	1	3	1411	0	0	0	1397	0	0
28	0	0	0	211	0	21	13	0	4	3	1	2	0	0	7	0	1710	1	0	0	2	5
13	0	0	0	2	0	9	38	7	2	1	1	16	1	1	24	0	19	963	0	4	17	15
0	0	1	102	0	0	0	0	0	0	0	0	1	3	0	2	0	3	1	638	6	0	0
1	27	2	4	0	0	0	11	2	1	0	0	38	14	2	8	0	6	5	9	3090	0	5
0	0	0	0	0	0	1	3	0	0	0	0	1	0	1	1	0	0	2	0	0	215	1
8	0	0	0	1	0	2	5	0	3	0	0	0	1	1	3	0	0	0	0	0	0	231

0.8166701793670654

squared_hinge

4149	1	0	0	8	0	4	1	0	0	2	0	1	0	5	2	0	5	2	0	0	0	1
172	1783	0	0	1	1	6	3	9	2	3	0	2	0	1	10	0	6	2	0	0	0	0
1	2	617	1	0	0	0	1	4	0	0	0	0	0	1	7	0	7	2	0	0	0	0
0	0	0	737	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	321	4	0	0
16	0	1	0	2099	0	2	0	0	3	0	0	1	0	0	0	0	17	0	0	0	0	1
1	0	0	2	0	1153	0	0	0	0	0	0	4	0	0	0	1	1	8	0	0	0	2
40	0	0	0	7	0	4448	10	2016	6	0	0	6	0	7	25	1	2	1	0	1	0	5
56	0	1	0	14	0	15	3219	2	2	3	0	2	2	3	18	0	26	3	0	0	0	11
20	0	0	0	2	0	878	8	3776	3	2	0	16	1	5	12	1	7	1	0	1	0	4
15	0	0	0	3	0	3	1	1	906	0	0	0	3	2	1	0	1	0	0	0	0	41
7	0	1	0	4	0	10	0	2	1	997	0	0	2	1	2	0	7	1	0	2	0	0
2978	39	0	0	3	0	15	0	3	0	1	0	1	0	3	9	0	5	1	0	0	0	1
23	6	4	3	7	0	7	1	28	2	1	0	2674	4	8	28	1	99	6	1	1	0	6
0	0	0	0	0	0	1	0	0	2	0	0	6	677	1	1	0	10	0	1	6	0	2
5	0	0	0	5	0	3	1	0	0	1	0	2	0	1085	1	6	5	0	0	0	0	1
81	0	1	0	15	0	29	12	8	9	7	0	9	1	21	6132	0	100	1	0	1	0	8
1	0	0	6	0	0	2	0	0	0	0	0	7	1	7	0	2412	2	1	0	387	0	0
26	0	0	0	167	0	15	3	0	4	4	0	0	0	0	4	0	1783	2	0	0	0	0
15	0	0	0	2	0	4	3	9	3	1	0	15	2	3	10	0	40	1015	0	3	0	8
0	0	1	303	0	0	0	0	0	0	0	0	1	4	0	1	1	3	1	440	2	0	0
4	177	1	16	0	0	0	2	1	1	0	0	56	37	16	6	0	19	10	5	2872	0	2
2	0	0	0	0	0	0	0	1	1	0	0	5	0	4	1	0	17	193	0	0	0	1
9	0	0	0	2	0	0	0	1	8	0	0	0	1	1	3	0	2	0	0	1	0	227

0.821921169757843

categorical_hinge

4150	0	0	0	6	0	9	1	0	0	3	6	0	0	1	2	0	0	2	0	0	0	1
0	1187	0	0	0	0	0	0	0	2	1	808	0	0	1	1	0	1	0	0	0	0	0
0	3	616	1	0	0	0	1	2	0	1	0	0	0	1	12	0	4	2	0	0	0	0
0	0	1	570	0	0	0	1	0	0	1	0	1	0	0	1	0	3	1	484	3	0	0
17	0	1	0	2087	0	8	2	0	4	2	0	1	0	1	3	0	12	0	0	0	1	1
0	0	0	1	0	1148	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	18	0
42	0	0	0	3	0	3267	13	3182	11	5	4	5	0	6	28	1	2	1	0	0	1	4
39	0	1	0	13	0	20	3269	1	4	1	0	1	0	1	19	0	3	2	0	0	1	2
15	0	0	0	2	0	620	10	4010	13	7	10	15	1	5	10	1	3	3	0	1	1	10
13	0	0	0	3	0	2	2	0	944	0	2	0	0	0	1	0	0	0	0	0	0	10
6	0	1	0	3	0	13	1	2	2	1001	0	0	0	1	2	0	2	1	0	2	0	0
1243	0	0	1	3	0	13	1	3	0	1	1775	2	0	3	8	0	4	1	0	0	0	1
10	7	4	5	6	0	9	1	82	17	28	0	2550	4	14	74	0	49	11	1	0	6	32
0	1	0	1	0	0	1	0	0	20	3	0	4	666	1	2	0	4	1	0	0	0	3
6	0	0	0	6	0	7	3	0	2	0	0	0	0	1079	2	4	4	1	0	0	0	1
63	0	0	0	14	0	31	19	10	12	3	4	3	0	9	6242	0	23	1	0	0	0	1
0	0	0	5	0	0	1	0	1	0	2	0	0	0	3	3	2570	0	1	0	240	0	0
28	0	0	0	211	0	21	8	1	8	4	1	1	0	0	7	0	1714	2	0	0	1	1
9	0	0	0	2	0	4	4	6	8	4	4	8	0	1	25	0	29	1006	0	1	13	9
0	0	1	210	0	0	0	0	0	0	1	0	1	5	0	3	3	6	2	525	0	0	0
1	92	7	11	0	1	0	4	1	4	20	0	43	32	30	28	0	15	20	12	2897	3	4
0	0	0	0	0	0	0	1	1	1	0	0	1	0	2	4	0	3	5	0	0	206	1
8	0	0	1	2	0	1	2	0	30	0	0	0	1	1	6	0	1	0	0	0	0	202

0.8310534358024597

logcosh

4159	0	0	0	4	0	0	4	0	0	2	4	0	0	2	2	0	1	3	0	0	0	0
0	1523	0	0	0	0	1	1	1	2	1	471	0	0	0	1	0	0	0	0	0	0	0
0	3	622	0	0	0	0	1	3	0	1	0	0	0	0	7	0	4	2	0	0	0	0
0	0	1	186	0	0	0	1	0	0	1	0	1	1	0	1	0	1	1	859	13	0	0
20	0	1	0	2095	0	1	7	0	2	3	0	0	0	0	2	0	7	0	0	0	1	1
1	0	1	1	0	1142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	2
45	0	0	0	6	0	4702	20	1714	11	21	4	3	0	8	28	1	2	3	0	0	2	5
32	0	1	0	9	0	5	3312	0	0	0	0	0	1	1	10	0	3	2	0	0	1	0
8	0	0	0	3	0	1103	13	3513	8	23	12	14	2	4	13	2	2	4	0	3	4	6
13	0	0	0	4	0	0	4	0	940	1	2	0	0	0	0	0	0	0	0	0	0	13
7	0	1	0	2	0	1	2	0	1	1016	0	0	0	1	1	0	2	1	0	2	0	0
1260	0	0	0	2	0	10	3	0	0	1	1771	1	0	2	5	0	1	2	0	0	0	1
14	7	5	0	8	0	8	9	41	15	54	0	2588	3	11	49	1	50	16	0	1	15	15
1	1	0	0	0	0	1	0	0	6	5	0	3	684	1	1	0	3	0	0	0	0	1
7	0	0	0	5	0	3	5	0	3	2	0	0	0	1074	2	6	5	1	0	0	0	2
61	0	1	0	19	0	32	63	7	15	13	3	4	0	9	6175	0	22	1	0	1	0	9
0	0	0	2	0	0	2	0	0	0	2	0	1	0	1	2	2338	0	1	0	477	0	0
27	0	0	0	292	0	16	11	0	6	8	1	1	0	0	6	0	1635	1	0	0	2	2
8	0	0	0	2	0	4	13	3	5	3	4	8	0	1	11	0	14	996	0	4	52	5
0	0	2	40	1	0	0	0	0	0	0	0	1	6	0	1	3	3	2	694	3	0	1
3	89	5	1	0	0	0	9	2	2	4	0	18	23	8	4	0	7	7	4	3036	1	2
0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	0	2	0	0	218	0
7	0	0	0	2	0	0	5	0	13	0	0	0	1	1	3	0	0	0	0	0	0	223

0.8493369817733765

categorical_crossentropy

4168	0	1	0	1	0	0	5	0	0	1	2	0	0	1	0	0	1	1	0	0	0	0
0	1001	0	0	0	1	4	2	5	2	1	963	2	0	0	15	0	1	4	0	0	0	0
0	3	596	0	0	0	0	1	6	0	0	0	0	0	0	31	0	5	1	0	0	0	0
2	0	0	77	0	0	0	2	0	0	0	0	1	0	0	1	0	0	1	968	14	0	0
48	0	1	0	1999	0	10	19	0	2	1	0	2	0	6	20	0	30	0	0	1	0	1
1	0	1	0	0	1156	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	10	0
43	0	0	0	3	0	5868	15	609	2	1	0	0	0	6	23	1	2	1	0	0	0	1
30	0	1	0	2	0	7	3323	0	0	0	0	0	0	1	8	0	5	0	0	0	0	0
16	0	0	0	1	0	2409	12	2265	2	1	6	3	0	1	15	1	3	0	0	1	0	1
26	0	0	0	3	0	5	13	2	868	1	1	0	6	1	5	0	7	0	0	0	0	39
8	0	1	0	1	0	10	8	0	1	993	0	0	0	1	6	0	5	1	0	2	0	0
2009	0	0	0	2	0	17	5	2	0	1	1006	0	0	2	13	0	0	1	0	0	0	1
44	6	3	0	2	0	14	8	101	0	1	1	2544	1	3	102	0	56	9	1	4	2	8
4	0	0	0	0	0	1	1	1	0	0	0	9	673	1	5	0	7	0	1	3	0	1
13	0	0	0	1	0	7	4	0	1	0	0	0	0	1052	6	24	5	0	0	2	0	0
74	0	1	0	4	0	33	27	5	2	1	0	2	0	5	6265	0	14	0	0	1	0	1
1	0	0	2	0	0	2	0	0	0	0	0	1	0	1	3	2250	1	0	0	565	0	0
34	0	0	0	32	0	17	12	0	1	3	1	2	0	0	9	0	1893	1	0	0	1	2
22	0	0	0	2	0	10	13	12	1	1	1	12	1	1	24	0	34	978	0	4	10	7
5	0	1	16	0	0	0	0	0	0	0	0	1	4	0	3	0	3	2	719	3	0	0
7	61	1	0	0	0	0	4	3	1	0	0	30	11	4	35	0	10	6	7	3043	0	2
1	0	0	0	0	0	1	1	0	0	0	0	1	0	1	2	0	3	4	0	0	211	0
9	0	0	0	1	0	2	4	0	4	0	0	0	1	1	7	0	1	0	0	0	0	225

0.8213884830474854

kullback_leibler_divergence

4166	0	0	0	1	0	0	5	0	0	2	2	0	0	1	0	0	4	0	0	0	0	0
0	923	0	0	0	0	2	1	2	2	1	1050	2	0	1	12	0	1	3	0	0	1	0
1	3	585	0	0	0	0	1	7	0	0	0	0	0	2	31	0	12	1	0	0	0	0
0	0	0	410	0	0	0	2	0	0	0	0	1	1	0	1	0	1	1	640	9	0	0
32	0	1	0	2077	0	5	7	0	2	1	0	0	0	4	4	0	7	0	0	0	0	0
1	0	0	1	0	1150	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	17	0
54	0	0	0	6	0	5435	17	1001	5	6	3	1	0	8	34	1	2	1	0	0	0	1
39	0	1	0	4	0	7	3306	0	0	0	0	0	1	1	11	0	6	0	0	0	1	0
22	0	0	0	2	0	1701	10	2940	4	5	7	5	0	3	26	1	7	1	0	2	0	1
28	0	0	0	3	0	3	4	1	915	0	1	0	6	2	2	0	3	0	0	0	0	9
5	0	1	0	1	0	4	1	0	1	1013	0	1	0	1	1	0	5	1	0	2	0	0
1756	0	0	0	2	0	15	4	3	0	1	1260	1	0	2	10	0	1	1	0	0	0	3
42	7	3	2	12	0	10	6	119	1	3	2	2490	6	12	93	1	78	6	1	2	7	7
2	0	0	0	0	0	1	0	0	2	0	0	4	689	1	2	0	4	0	1	0	0	1
6	0	0	0	1	0	2	3	0	1	0	0	0	0	1076	2	18	5	0	0	1	0	0
98	0	1	0	9	0	25	25	9	6	3	1	2	1	10	6225	0	19	0	0	1	0	0
1	0	0	4	0	0	2	0	0	0	0	0	0	0	3	2	2418	1	0	0	395	0	0
38	0	0	0	165	0	10	9	0	1	3	0	0	1	0	7	0	1771	1	0	0	1	1
19	0	0	0	2	0	7	12	10	4	1	1	10	1	2	19	1	43	967	0	4	26	4
0	0	1	121	0	0	0	0	0	0	0	0	1	6	0	1	2	3	2	615	5	0	0
9	64	1	1	2	0	0	5	3	2	0	2	18	28	11	22	0	13	5	4	3035	0	0
2	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	0	1	0	0	217	0
16	0	0	0	1	0	1	3	1	16	0	0	0	1	1	8	0	2	0	0	0	0	205

0.8349917531013489

poisson

4162	0	0	0	1	0	0	5	0	0	2	4	0	0	1	0	0	4	0	0	0	0	2
0	1219	0	0	0	0	1	1	1	2	1	763	2	0	0	5	0	1	3	0	0	1	1
1	3	566	0	0	0	0	2	8	0	0	0	0	0	2	42	0	15	2	0	0	0	2
0	0	0	92	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	968	2	0	0
27	0	1	0	2080	0	6	8	0	2	1	0	1	0	0	4	0	9	0	0	0	0	1
0	0	0	1	0	1152	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	16	0
49	0	0	0	5	0	5427	15	1008	6	1	1	5	0	7	37	1	3	3	0	0	1	6
31	0	1	0	4	0	5	3317	0	0	0	0	0	0	1	11	0	4	1	0	0	0	2
16	0	0	0	2	0	1698	10	2949	5	1	6	11	0	2	22	1	3	1	0	2	1	7
20	0	0	0	3	0	2	4	0	876	0	1	0	0	1	2	0	2	0	0	0	0	66
8	0	1	0	3	0	7	2	0	1	998	0	1	0	1	5	0	5	1	0	2	0	2
1645	0	0	0	2	0	14	5	2	0	1	1369	1	0	2	11	0	3	1	0	0	0	3
28	7	1	2	10	0	8	2	35	5	1	0	2663	2	3	56	0	46	8	1	2	5	25
2	1	0	0	0	0	1	0	0	7	0	0	7	678	1	2	0	5	0	2	0	0	1
8	0	0	0	2	0	2	4	0	2	0	0	2	0	1077	4	6	5	0	0	1	0	2
69	0	1	0	9	0	25	24	5	7	2	2	4	0	8	6243	0	22	0	0	1	0	13
0	0	0	6	0	0	2	0	0	0	0	0	2	0	1	3	2310	2	0	1	499	0	0
31	0	0	0	210	0	15	7	0	1	2	1	2	1	0	6	0	1724	1	0	0	1	6
17	0	0	0	2	0	7	9	4	4	1	1	14	0	1	19	0	28	981	0	1	33	11
0	0	1	17	0	0	0	0	0	0	0	0	1	4	0	1	0	3	2	728	0	0	0
11	138	1	3	0	0	0	4	4	2	0	0	65	23	7	45	0	10	13	17	2876	1	5
0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	1	3	0	0	216	0
7	0	0	0	1	0	0	0	1	5	0	0	0	1	1	2	0	0	0	0	0	0	237

0.8359810709953308

cosine_proximity

4154	0	0	0	5	0	1	3	0	0	2	6	1	0	2	0	0	3	4	0	0	0	0
0	1349	0	0	0	0	1	0	1	2	1	643	1	0	1	0	0	0	2	0	0	0	0
0	3	617	1	0	0	0	1	3	0	0	0	1	0	1	3	0	9	4	0	0	0	0
0	0	0	394	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	666	3	0	0
18	0	2	0	2092	0	3	4	0	2	2	0	2	0	0	1	0	12	0	0	0	1	1
2	0	0	2	0	1149	0	0	2	0	0	0	1	0	0	0	0	1	1	0	0	13	1
42	0	0	0	6	0	5264	16	1185	6	11	4	7	0	8	18	1	2	2	0	0	1	2
35	0	1	0	10	0	12	3294	0	0	2	0	1	1	1	9	0	5	4	0	0	1	1
10	0	0	0	2	0	1545	8	3097	4	9	11	22	2	4	8	1	3	6	0	1	1	3
13	0	0	0	3	0	2	4	0	931	1	2	0	0	1	1	0	3	0	0	0	0	16
6	0	1	0	2	0	4	0	0	1	1018	0	0	0	1	1	0	2	1	0	0	0	0
1324	0	0	1	2	0	15	3	2	0	1	1689	6	0	2	5	0	5	3	0	0	0	1
8	7	2	0	8	0	9	1	39	5	15	0	2683	2	10	19	0	72	14	1	1	5	9
0	1	0	0	1	0	1	0	0	5	4	0	11	660	1	0	0	13	1	1	6	0	2
4	0	0	0	6	0	4	3	0	0	2	0	1	0	1084	1	4	5	1	0	0	0	0
62	0	1	0	16	0	39	31	6	9	11	3	9	1	13	6173	0	53	3	0	1	1	3
0	0	0	3	0	0	2	0	0	0	2	0	2	0	2	1	2540	1	1	0	272	0	0
26	0	0	0	221	0	18	6	0	2	5	1	1	0	0	3	0	1721	2	0	0	2	0
8	0	0	0	2	0	6	5	4	4	2	4	13	0	1	4	0	26	1037	0	2	10	5
0	0	1	138	0	0	0	0	0	0	0	0	1	4	0	1	3	4	2	602	1	0	0
2	43	1	7	1	0	0	4	2	2	7	0	185	20	25	5	1	15	50	9	2844	1	1
0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	3	6	0	0	212	0
7	0	0	0	2	0	1	3	1	8	0	0	0	1	2	3	0	4	0	0	0	0	223

0.8528566956520081

Nadam

mean_squared_error

4152	0	2	0	6	0	3	2	0	0	2	4	1	0	1	1	0	3	4	0	0	0	0
0	1523	0	0	1	0	2	1	1	0	1	465	1	0	0	0	0	1	4	0	0	1	0
0	3	602	0	0	0	0	1	9	0	1	0	1	0	0	12	0	6	8	0	0	0	0
0	0	0	131	0	0	0	0	0	0	0	0	4	0	0	1	0	0	1	916	13	0	0
16	0	2	0	2019	0	5	7	1	1	1	0	2	0	3	1	0	81	0	0	0	1	0
0	0	0	1	0	1114	0	0	0	0	0	0	23	0	0	0	0	1	3	0	0	30	0
35	0	0	0	5	0	4516	4	1990	2	6	3	4	0	8	1	0	1	0	0	0	0	0
32	0	1	0	7	0	20	3290	4	0	0	0	4	0	1	10	0	4	4	0	0	0	0
5	0	0	0	2	0	958	6	3721	3	1	12	21	0	1	0	0	1	3	0	2	1	0
19	0	0	0	4	0	3	18	7	811	1	1	1	3	2	6	1	11	2	0	0	1	86
4	0	0	0	2	0	3	0	0	0	1021	0	0	0	1	1	0	2	1	0	2	0	0
1581	0	0	0	2	0	14	3	0	0	1	1441	3	0	2	5	0	3	3	0	0	0	1
4	7	1	0	3	0	10	2	127	0	2	0	2674	1	3	18	0	36	12	0	7	2	1
1	1	0	0	0	0	1	2	7	0	1	0	25	620	1	2	0	11	2	1	31	0	1
5	0	0	1	5	0	4	4	5	0	1	0	5	0	1062	2	11	5	2	0	3	0	0
51	0	1	0	13	0	40	43	34	2	4	3	33	2	7	6142	0	40	12	0	5	1	2
0	0	0	2	0	0	2	1	0	0	0	0	2	0	1	1	2274	1	1	0	541	0	0
23	0	0	0	64	0	18	7	2	1	3	1	6	0	0	4	0	1875	2	0	0	2	0
11	0	0	0	2	0	5	4	14	3	1	1	17	0	0	4	0	16	1021	0	6	25	3
0	0	1	61	0	0	0	0	0	0	0	0	10	4	0	1	0	3	2	669	6	0	0
1	16	1	0	0	0	0	6	10	0	0	0	98	8	2	3	0	5	34	4	3036	1	0
0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	36	0	0	185	0
7	0	0	0	2	0	3	6	2	2	0	0	2	1	1	2	0	5	0	0	1	0	221

0.8394056558609009

mean_squared_logarithmic_error

4169	0	0	0	2	0	0	2	0	0	2	4	0	0	0	0	0	0	2	0	0	0	0
0	1128	0	0	0	0	1	0	2	2	0	864	0	0	0	1	0	0	2	0	0	1	0
0	3	529	1	0	0	0	5	20	0	1	0	0	0	0	73	0	2	7	1	0	0	1
0	0	0	238	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	822	3	0	0
21	0	1	0	2088	0	6	8	0	1	1	0	0	0	0	5	0	9	0	0	0	0	0
0	0	0	1	0	1156	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	12	0
38	0	0	0	5	0	5245	14	1238	3	1	5	0	0	5	19	0	1	0	0	0	0	1
35	0	0	0	8	0	10	3304	1	0	0	0	0	1	0	12	0	3	3	0	0	0	0
10	0	0	0	2	0	1662	10	3017	4	2	9	3	0	1	11	1	1	1	0	1	1	1
22	0	0	0	3	0	3	6	1	910	1	1	0	2	1	3	0	1	1	0	0	1	21
6	0	0	0	2	0	8	4	1	0	1007	0	0	0	1	3	0	2	1	0	2	0	0
1498	0	0	0	2	0	10	0	2	0	1	1543	0	0	0	1	0	1	0	0	0	0	1
10	7	1	0	6	0	16	3	144	1	9	2	2496	4	1	152	0	29	7	0	2	2	18
2	1	0	0	0	0	1	0	0	2	2	0	4	679	1	7	0	6	0	1	0	0	1
8	0	0	3	6	0	9	4	8	1	0	0	5	0	1011	11	38	5	2	0	3	0	1
60	0	1	0	16	0	37	27	5	4	2	4	1	1	5	6260	0	10	1	0	0	0	1
1	0	0	3	0	0	2	0	0	0	0	0	1	0	0	4	2338	0	1	0	475	0	1
28	0	0	0	252	0	21	11	1	3	3	1	1	1	0	23	0	1658	2	0	0	1	2
13	0	0	0	2	0	8	7	16	2	1	1	12	2	0	33	0	15	983	0	1	28	9
0	0	1	90	1	0	0	0	0	0	0	0	1	6	0	1	0	2	2	651	2	0	0
1	83	2	2	0	0	0	5	25	1	2	2	61	33	1	80	0	8	17	16	2882	0	4
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	3	0	0	218	0
8	0	0	0	1	0	1	3	1	5	0	0	0	1	1	5	0	0	0	0	0	0	229

0.8321568965911865

squared_hinge

4159	0	0	0	6	0	0	5	0	0	2	2	0	0	2	1	0	1	3	0	0	0	0
0	1303	0	0	2	0	1	1	0	1	0	690	0	0	1	0	0	0	2	0	0	0	0
0	3	609	0	0	0	0	4	3	0	0	0	0	0	3	10	0	9	2	0	0	0	0
0	0	0	1049	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	12	0	0
16	0	1	0	2111	0	1	2	0	1	0	0	0	0	0	0	0	8	0	0	0	0	0
3	0	0	1	0	1159	0	0	0	0	0	0	0	0	1	0	0	1	7	0	0	0	0
48	0	0	0	7	0	3957	13	2519	4	1	2	0	0	9	12	0	2	1	0	0	0	0
30	0	1	0	13	0	9	3304	1	0	0	0	0	1	1	10	0	3	4	0	0	0	0
12	0	0	0	3	0	657	7	4024	3	1	8	4	0	2	6	1	2	4	0	3	0	0
19	0	0	0	4	0	3	3	2	943	0	1	0	0	1	0	0	0	1	0	0	0	0
5	0	0	0	4	0	4	2	0	1	1013	0	0	0	1	2	0	2	1	0	2	0	0
1585	2	0	0	2	0	4	1	1	0	1	1459	0	0	2	1	0	1	0	0	0	0	0
14	7	3	1	8	0	8	2	86	3	4	1	2533	2	44	43	2	126	19	0	4	0	0
2	1	0	5	0	0	1	0	0	8	0	0	7	636	6	1	2	18	5	0	15	0	0
4	0	0	0	7	0	4	4	1	0	0	0	0	0	1086	1	4	3	0	0	1	0	0
69	0	0	1	19	0	33	38	15	11	3	3	6	0	20	6148	0	66	2	0	1	0	0
1	0	0	1	0	0	1	1	1	0	0	0	0	0	1	1	2409	1	0	0	409	0	0
26	0	0	0	320	0	16	6	0	3	3	1	0	0	0	3	0	1627	3	0	0	0	0
11	0	0	0	2	0	6	10	6	4	1	2	10	0	2	6	0	34	1035	0	4	0	0
0	0	1	734	0	0	0	0	0	0	0	0	1	3	0	1	2	3	1	0	11	0	0
2	86	1	4	3	0	0	5	1	2	0	0	9	5	20	4	0	12	6	0	3065	0	0
0	0	0	0	0	2	0	2	1	1	0	0	3	0	2	4	0	13	197	0	0	0	0
14	0	0	0	6	0	3	9	4	172	0	0	2	1	5	6	0	30	2	0	1	0	0

0.8300641179084778

categorical_hinge

4130	0	0	0	6	0	28	1	0	0	2	6	1	0	1	1	0	1	4	0	0	0	0
0	1282	0	0	1	0	4	1	0	0	0	710	0	0	0	1	0	1	1	0	0	0	0
7	3	517	0	0	0	3	6	25	1	2	0	0	0	1	35	0	15	28	0	0	0	0
0	0	0	153	0	0	0	1	1	0	0	0	2	0	0	0	1	1	2	901	4	0	0
14	0	1	0	2092	0	22	1	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0
8	0	0	0	0	1122	0	1	5	0	0	0	14	0	0	6	0	2	13	0	1	0	0
26	0	0	0	1	0	6485	3	53	1	0	3	1	0	1	1	0	0	0	0	0	0	0
36	0	1	0	15	0	40	3262	0	0	1	0	0	1	1	12	0	4	4	0	0	0	0
6	0	0	0	2	0	4061	5	639	2	0	11	6	0	1	0	0	0	1	0	3	0	0
20	0	0	0	4	0	7	6	2	906	0	1	5	7	1	3	1	9	5	0	0	0	0
7	0	1	0	5	0	15	0	0	1	1002	0	0	0	1	1	0	1	1	0	2	0	0
1637	0	0	0	2	0	23	0	0	0	1	1385	1	0	2	0	0	3	5	0	0	0	0
7	7	0	0	8	0	66	1	39	0	2	0	2699	2	2	15	0	44	17	0	1	0	0
1	1	0	0	1	0	1	0	0	2	0	0	13	667	1	0	0	9	10	0	1	0	0
10	0	0	1	10	0	20	4	3	1	0	0	1	0	1043	3	6	9	1	0	3	0	0
73	0	0	0	28	0	70	31	7	4	3	3	25	0	7	6123	0	52	6	0	3	0	0
1	0	0	3	0	0	2	0	0	0	0	0	17	0	0	1	2215	1	2	2	582	0	0
28	0	0	0	437	0	29	7	0	1	3	0	1	1	0	4	0	1492	5	0	0	0	0
9	0	0	0	2	0	9	4	7	1	1	4	14	0	0	6	0	24	1051	0	1	0	0
0	0	0	58	1	0	0	0	0	0	0	0	3	4	0	3	2	3	2	678	3	0	0
2	61	1	0	5	0	0	8	15	1	0	0	152	15	4	6	0	9	44	11	2891	0	0
0	0	0	0	1	1	2	1	0	0	0	0	3	0	1	0	0	11	205	0	0	0	0
18	0	0	0	7	0	5	14	3	99	0	0	3	1	2	18	0	78	4	0	3	0	0

0.7959133386611938

logcosh

4159	0	0	0	6	0	0	3	0	0	1	7	0	0	1	0	0	2	2	0	0	0	0	0
0	767	0	0	1	1	0	1	0	1	0	1229	0	0	0	0	0	0	1	0	0	0	0	0
8	3	558	0	0	0	0	8	8	0	0	0	0	0	1	19	0	28	8	1	0	0	1	0
0	0	0	80	0	0	0	1	0	0	0	0	1	0	0	1	0	7	1	966	9	0	0	0
17	0	1	0	2109	0	1	3	0	2	0	0	0	0	0	0	0	6	0	0	0	0	1	0
0	0	0	1	0	1149	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	18	1	1
51	0	0	0	7	0	5316	19	1143	6	2	4	4	0	8	9	0	2	1	0	0	0	3	0
32	0	0	0	11	0	4	3319	0	0	0	0	0	1	0	6	0	2	2	0	0	0	0	0
21	0	0	0	2	0	1707	12	2957	3	1	9	7	0	1	6	0	3	1	0	3	2	2	0
20	0	0	0	4	0	1	10	0	900	0	1	2	4	1	1	0	3	1	0	0	0	29	0
11	0	0	0	4	0	5	21	0	1	970	0	1	0	1	3	0	16	2	0	2	0	0	0
1143	0	0	0	2	0	3	1	0	0	0	1907	0	0	1	0	0	1	0	0	0	0	1	0
14	6	2	0	7	0	9	7	48	1	1	2	2628	3	2	36	0	114	12	0	2	5	11	0
0	1	0	0	1	0	1	1	0	1	0	0	7	671	1	1	0	20	1	0	0	0	1	0
6	0	0	0	7	0	5	5	0	0	0	0	5	0	1075	2	1	4	1	0	3	0	1	0
79	0	1	0	18	0	40	93	9	8	2	4	5	1	9	6053	0	104	1	0	1	1	6	0
1	0	0	4	0	0	2	2	0	0	0	0	1	0	1	1	1547	3	1	1	1262	0	0	0
27	0	0	0	289	0	16	10	0	3	2	1	1	0	0	3	0	1652	2	0	0	1	1	0
11	0	0	0	2	0	7	17	7	1	1	3	9	1	1	4	0	36	1001	0	4	22	6	0
0	0	1	22	0	0	0	0	0	0	0	0	1	5	0	1	0	10	2	712	3	0	0	0
1	62	1	0	4	0	0	8	2	1	0	6	40	22	6	13	0	48	35	9	2963	1	3	0
1	0	0	0	0	0	1	2	0	0	0	0	1	0	1	0	0	1	6	0	0	212	0	0
8	0	0	0	2	0	0	5	1	4	0	0	0	1	1	3	0	7	0	0	0	0	223	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.8167272210121155

categorical_crossentropy

4164	0	2	0	1	0	0	2	0	0	2	2	0	0	1	3	0	3	0	0	0	0	1
0	929	0	0	0	1	6	0	16	2	1	1021	3	0	3	18	0	0	1	0	0	0	0
0	3	577	1	0	0	0	1	8	0	0	0	1	0	0	46	0	4	2	0	0	0	0
0	0	0	225	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	833	5	0	0
34	0	2	0	2029	0	11	7	0	3	2	0	2	0	6	26	0	9	0	0	0	0	9
0	0	0	2	0	1147	0	0	1	0	0	0	4	0	0	1	2	1	2	0	1	8	3
35	0	0	0	1	0	5746	4	742	2	2	3	3	0	7	24	1	1	0	0	0	0	4
40	0	2	0	4	0	18	3282	3	0	0	0	1	1	0	15	0	7	1	0	0	0	3
7	0	0	0	1	0	2118	5	2559	4	1	8	13	0	1	17	0	1	0	0	0	0	2
21	0	0	0	2	0	3	4	1	869	0	1	0	12	1	5	0	0	0	0	0	0	58
5	0	1	0	1	0	4	7	0	1	1001	0	0	0	1	9	0	3	1	0	2	0	1
1378	0	0	0	1	0	24	1	3	0	1	1629	1	1	2	16	0	1	0	0	0	0	1
18	6	2	0	3	0	9	1	111	0	4	0	2633	4	7	69	0	14	5	0	1	1	22
1	0	0	0	0	0	1	0	2	1	0	0	4	693	1	3	0	0	0	0	0	0	1
9	0	1	0	2	0	4	4	4	1	0	0	7	0	1038	8	27	5	1	0	3	0	1
52	0	1	0	5	0	32	11	11	3	2	2	4	0	4	6296	0	6	0	0	1	0	5
1	0	0	5	0	0	2	0	1	0	0	0	1	0	1	2	2459	0	0	0	354	0	0
40	0	0	0	107	0	21	10	1	4	3	1	5	2	1	28	0	1773	1	0	0	0	11
17	0	0	0	2	0	8	7	20	3	2	3	19	5	1	36	0	21	965	0	4	4	16
0	0	0	73	0	0	0	0	0	0	0	0	2	5	0	2	0	1	1	672	1	0	0
4	80	1	3	0	0	0	3	39	1	1	0	131	49	7	57	0	5	8	14	2818	0	4
2	0	0	0	0	0	1	1	0	0	0	0	2	0	1	3	0	1	25	0	0	187	2
9	0	0	0	1	0	0	0	1	4	0	0	0	1	1	5	0	0	0	0	0	0	233

0.8356766700744629

kullback_leibler_divergence

4147	0	2	0	1	0	1	7	0	0	2	5	1	0	3	2	0	4	2	0	0	0	4
0	1423	0	0	0	1	6	1	4	1	1	542	3	0	3	11	0	1	3	0	0	0	1
0	3	614	0	0	0	0	1	3	0	0	0	1	0	0	13	0	6	2	0	0	0	0
0	0	0	400	0	0	0	1	1	0	0	0	3	0	0	1	0	0	2	648	10	0	0
23	0	2	0	2051	0	8	11	0	2	3	0	4	0	10	10	0	12	0	0	0	0	4
0	0	0	1	0	1134	0	0	3	0	0	1	16	0	0	0	0	1	4	0	0	12	0
22	0	0	0	3	0	5447	9	1048	3	6	4	5	0	9	10	0	1	3	0	0	0	5
26	0	1	0	4	0	13	3310	2	1	1	0	0	0	1	8	0	2	3	0	0	0	5
2	0	0	0	1	0	1901	8	2765	4	5	7	24	0	6	4	0	1	2	0	1	0	6
20	0	0	0	3	0	3	3	0	846	1	1	3	5	3	2	0	1	0	0	0	0	86
4	0	1	0	1	0	1	1	0	0	1019	0	0	0	3	2	0	1	1	0	2	0	1
1183	1	0	0	3	0	23	4	4	0	4	1804	5	0	8	12	0	2	1	0	0	0	5
8	7	2	0	3	0	9	2	70	0	6	0	2698	1	27	26	0	20	9	0	0	1	21
0	1	0	0	1	0	1	0	0	2	2	0	13	674	1	1	0	4	0	1	5	0	1
4	0	0	0	0	0	1	3	0	0	0	0	0	0	1101	1	0	3	1	0	1	0	0
50	0	1	0	8	0	38	26	11	5	5	3	9	1	26	6219	0	17	1	0	1	0	14
0	0	0	8	0	0	2	0	0	0	0	0	14	0	12	2	1933	0	1	0	854	0	0
30	0	0	0	105	0	20	8	0	2	4	1	4	1	5	7	0	1811	1	0	0	1	8
11	0	0	0	2	0	7	6	7	1	1	1	16	1	4	6	0	15	1034	0	4	3	14
0	0	1	144	0	0	0	0	0	0	0	0	3	4	1	1	0	1	2	598	1	0	1
1	145	1	2	0	0	0	5	9	1	2	0	112	16	53	10	0	7	17	5	2835	0	4
0	0	0	0	0	0	1	2	0	0	0	0	2	0	4	0	0	0	25	0	0	188	3
7	0	0	0	1	0	0	0	2	3	0	0	0	0	1	2	0	0	0	0	0	0	239

0.8426399827003479

poisson

4168	0	1	0	1	0	0	5	0	0	2	1	0	0	1	0	0	2	0	0	0	0	0
0	622	0	0	1	0	0	1	1	1	1	1369	1	0	0	2	0	0	1	0	0	1	0
0	2	622	0	0	0	0	1	1	0	0	0	0	0	0	9	0	7	1	0	0	0	0
3	0	0	73	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	980	8	0	0
41	0	1	0	2060	0	5	18	0	1	1	0	0	0	2	3	0	7	0	0	0	0	1
1	0	1	1	0	1135	0	1	0	0	0	0	3	0	0	1	1	2	0	1	1	24	0
81	0	0	0	4	0	5105	18	1313	2	8	2	0	0	8	29	0	2	2	0	0	0	1
32	0	1	0	2	0	1	3332	0	0	0	0	0	0	0	4	0	4	0	0	0	0	1
66	0	0	0	2	0	1494	15	3121	1	6	6	2	0	2	14	0	5	1	0	1	0	1
92	0	0	0	3	0	4	17	2	780	1	1	1	4	3	4	0	3	0	0	0	0	62
6	0	1	0	1	0	2	5	0	0	1015	0	0	0	1	1	0	2	1	0	2	0	0
1947	0	0	0	2	0	3	4	0	0	1	1096	0	0	2	2	0	0	1	0	0	0	1
207	6	4	1	6	0	9	9	119	0	22	5	2323	3	7	77	0	90	6	1	2	1	12
20	1	0	0	0	0	1	2	4	0	1	0	10	629	1	4	0	22	0	3	7	1	1
17	0	0	0	2	0	3	5	0	0	0	0	0	0	1075	2	3	5	0	0	2	0	1
169	0	1	0	12	0	25	59	6	2	5	1	1	0	8	6120	0	24	0	0	1	0	1
3	0	0	3	0	0	2	2	0	0	1	0	0	0	1	1	2174	1	0	1	637	0	0
47	0	0	0	145	0	10	12	0	1	3	0	0	0	0	5	0	1783	1	0	0	0	1
57	0	0	0	2	0	8	35	14	3	2	1	10	1	1	16	0	66	894	0	3	13	7
4	0	1	21	0	0	0	0	0	0	0	0	1	4	0	1	0	1	1	721	2	0	0
14	139	2	0	0	0	0	8	5	0	1	9	19	9	6	15	0	22	6	13	2955	0	2
5	0	0	0	0	0	1	3	0	0	0	0	1	0	1	0	0	2	3	0	0	208	1
14	0	0	0	1	0	1	3	1	2	1	0	0	1	1	5	0	1	0	0	0	0	224

0.8035425543785095

cosine_proximity

4162	0	0	0	8	0	0	2	0	0	1	2	0	0	1	0	0	2	2	0	0	0	1
0	946	0	0	1	1	1	1	0	2	1	1045	0	0	0	0	0	3	0	0	0	0	0
0	3	604	1	0	0	0	2	7	0	0	0	1	0	0	8	0	16	1	0	0	0	0
1	0	0	540	0	0	0	1	0	0	0	0	2	1	0	1	0	7	1	498	14	0	0
16	0	2	0	2108	0	1	2	0	2	0	0	0	0	0	1	0	7	0	0	0	1	0
0	0	0	0	0	1076	0	0	4	0	0	0	1	0	0	0	1	3	2	0	1	34	50
42	0	0	0	7	0	6040	6	450	5	0	3	2	0	8	7	0	1	0	0	0	1	3
34	0	1	0	12	0	22	3292	0	0	0	0	0	1	0	8	0	5	1	0	0	1	0
13	0	0	0	2	0	2699	8	1980	4	1	8	6	0	1	7	0	3	1	0	2	1	1
19	0	0	0	3	0	3	5	0	915	0	1	0	2	1	1	0	3	0	0	0	1	23
7	0	1	0	4	0	9	3	0	1	1000	0	0	0	1	2	0	6	1	0	2	0	0
1943	0	0	0	2	0	8	1	0	0	0	1101	0	0	0	2	0	0	1	0	0	0	1
7	7	2	0	12	0	15	1	62	2	1	0	2692	2	2	21	0	68	6	0	0	3	7
0	0	0	0	0	0	1	0	0	3	0	0	9	668	1	1	0	20	0	0	0	1	3
6	0	0	0	8	0	6	4	1	1	0	0	3	0	1072	2	2	5	1	0	3	0	1
68	0	1	0	23	0	39	58	9	7	2	3	8	1	9	6017	0	171	1	0	1	1	16
0	0	0	2	0	0	2	0	0	0	0	0	3	0	1	1	2191	3	1	0	622	0	0
28	0	0	0	324	0	20	7	0	1	2	0	0	0	0	2	0	1621	0	0	0	2	1
11	0	0	0	2	0	9	5	9	2	1	1	19	2	1	6	0	53	927	0	3	71	11
0	0	0	224	1	0	0	0	0	0	0	0	4	5	0	3	1	11	2	495	10	0	1
1	38	3	2	2	0	0	6	5	1	0	0	90	48	4	6	0	40	11	5	2957	2	4
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	1	0	0	220	0
8	0	0	0	1	0	2	3	0	5	0	0	0	1	1	2	0	7	0	0	0	1	224

0.8152052164077759

(16, 2) szűrő eredményei

RMSprop

mean_squared_error

4160	0	0	0	5	0	0	5	0	0	3	4	0	0	1	0	0	0	3	0	0	0	0
0	1128	0	0	0	0	0	1	2	2	3	859	1	0	1	1	0	1	1	0	0	1	0
0	3	613	0	0	0	0	3	1	1	3	0	0	0	0	4	0	13	1	0	0	0	1
0	0	0	757	0	0	0	1	0	0	1	0	2	0	0	1	1	3	2	292	6	0	0
18	0	0	0	2101	0	0	5	0	2	3	0	0	0	0	0	0	10	0	0	0	0	1
0	0	0	1	0	1092	0	1	0	0	1	0	4	0	0	0	2	2	0	0	1	68	0
48	0	0	0	6	0	3587	23	2832	9	17	4	4	0	10	20	0	7	4	0	1	1	2
31	0	1	0	6	0	0	3330	0	0	0	0	0	0	0	5	0	2	1	0	0	1	0
15	0	0	0	3	0	511	23	4109	5	12	8	7	0	3	10	2	15	5	0	3	1	5
19	0	0	0	4	0	1	10	1	929	1	1	0	0	1	0	0	5	0	0	0	0	5
5	0	0	0	1	0	1	2	0	0	1024	0	0	0	0	1	0	2	0	0	1	0	0
1718	0	0	0	2	0	3	3	1	0	1	1323	0	0	2	0	0	4	1	0	0	0	1
8	7	4	2	5	0	7	8	49	10	28	1	2567	0	8	29	1	148	12	0	7	3	6
1	1	0	1	0	0	1	2	0	81	24	0	7	531	2	1	0	38	3	2	11	0	1
6	0	0	0	5	0	1	6	0	1	4	0	0	0	1077	1	6	7	0	0	1	0	0
76	0	1	0	15	0	25	62	17	14	30	2	8	0	9	6049	0	116	1	0	2	0	8
0	0	0	1	0	0	1	0	1	0	2	0	0	0	1	2	2435	1	2	0	380	0	0
27	0	0	0	130	0	8	11	0	5	4	1	1	0	0	1	0	1817	1	0	0	1	1
11	0	0	0	2	0	4	33	7	5	4	1	8	0	2	6	0	56	978	0	0	11	5
0	0	1	314	0	0	0	1	0	0	0	0	1	4	0	1	2	6	2	421	4	0	0
2	41	1	5	0	0	0	11	1	4	19	0	22	5	16	6	0	31	13	5	3041	0	2
0	0	0	0	0	0	0	4	1	0	0	0	1	0	1	0	0	4	3	0	0	211	0
8	0	0	0	1	0	0	6	1	19	0	0	0	0	1	3	0	4	0	0	0	0	212

0.82745760679245

mean_squared_logarithmic_error

4121	0	1	0	7	0	0	6	0	0	1	37	0	0	1	4	0	0	1	0	0	0	2
0	1574	0	0	0	0	1	0	0	2	0	424	0	0	0	0	0	0	0	0	0	0	0
0	3	629	0	0	0	0	1	0	0	0	0	0	0	0	4	0	5	1	0	0	0	0
0	0	0	83	0	0	0	1	0	0	0	0	1	1	0	0	0	1	1	976	2	0	0
12	0	1	0	2101	0	2	6	0	2	1	0	1	0	1	2	0	9	0	0	0	1	1
0	0	0	2	0	1157	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	10	1
35	0	0	0	6	0	4413	19	2020	15	0	10	6	1	14	25	0	2	2	0	0	0	7
27	0	1	0	7	0	3	3326	0	1	0	0	0	1	0	8	0	1	1	0	0	1	0
5	0	0	0	3	0	988	18	3659	8	1	14	9	1	6	13	1	1	1	0	1	1	7
12	0	0	0	4	0	0	4	0	939	0	2	0	0	1	1	0	0	0	0	0	0	14
8	0	1	0	3	0	7	26	3	2	957	0	2	1	2	11	0	9	1	0	1	0	3
345	1	0	0	2	0	5	2	1	0	0	2695	0	0	2	2	0	2	0	0	0	0	2
6	8	3	3	5	0	6	13	67	8	1	1	2590	4	19	68	0	54	8	2	1	2	41
0	1	0	2	0	0	1	0	0	4	0	0	6	679	1	0	0	7	0	1	0	0	5
4	0	0	0	4	0	1	5	1	1	0	0	0	0	1085	2	4	6	0	0	1	0	1
41	0	1	0	11	0	29	32	7	11	0	15	5	0	8	6252	0	16	1	1	1	0	4
0	0	0	1	0	0	2	0	0	0	0	0	0	0	4	3	2492	1	2	2	319	0	0
24	0	0	0	197	0	17	11	0	7	2	3	2	0	0	6	0	1733	0	0	0	1	5
8	0	0	2	2	0	6	42	8	8	1	4	11	0	2	24	0	35	943	1	0	12	24
0	0	1	31	0	0	0	0	0	0	0	0	1	4	0	1	1	3	2	712	0	0	1
1	236	2	7	0	0	0	12	1	3	0	0	29	24	28	19	0	13	8	25	2808	1	8
0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	0	2	0	0	0	213	5
7	0	0	0	1	0	0	2	0	12	0	0	1	1	1	3	0	0	0	0	0	0	227

0.8635299801826477

squared_hinge

4127	0	0	0	6	0	6	17	0	1	2	4	0	1	1	5	0	6	4	0	0	0	1
0	1594	0	0	0	0	2	4	1	2	1	383	1	0	1	4	0	1	6	0	0	1	0
0	3	547	0	0	0	0	6	9	0	0	0	0	0	3	56	0	8	10	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1062	2	0	0
17	1	1	0	2051	0	3	15	0	5	1	0	0	0	0	3	0	42	0	0	0	0	1
0	0	0	0	0	1152	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	13	0
33	0	0	0	5	0	4919	19	1559	6	0	3	0	0	7	16	1	3	2	0	0	1	1
22	0	0	0	6	0	0	3334	0	0	0	0	0	1	0	9	0	2	2	0	0	1	0
6	0	0	0	2	0	1258	17	3411	4	1	11	5	1	1	11	1	2	2	0	2	1	1
15	0	0	0	3	0	1	4	1	944	0	1	0	2	0	1	0	0	1	0	0	0	4
6	0	1	0	2	0	7	13	2	1	986	0	1	2	1	8	0	4	1	0	2	0	0
1646	1	0	0	2	0	15	15	1	0	1	1341	1	1	2	16	0	12	4	0	0	0	1
6	7	3	0	3	0	10	9	172	6	1	0	2350	5	7	130	3	104	55	0	6	21	12
0	1	0	0	0	0	1	4	0	2	0	0	4	682	1	0	0	5	2	2	2	0	1
4	0	0	0	4	0	3	9	1	3	0	0	0	0	1070	4	11	5	1	0	0	0	0
52	0	0	0	10	0	33	45	9	9	2	3	4	1	5	6224	0	33	1	1	1	0	2
0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	3	2500	0	1	2	314	0	0
23	0	0	0	61	0	16	14	1	4	3	0	1	2	0	4	0	1876	2	0	0	1	0
10	0	0	0	2	0	5	17	7	2	1	1	6	1	1	15	0	21	1031	0	0	8	5
0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	1	0	3	2	746	0	0	0
1	50	1	0	0	0	0	15	2	2	0	0	25	21	6	21	0	13	44	21	2997	4	2
0	0	0	0	0	0	1	3	0	0	0	0	1	0	1	0	0	6	34	0	0	178	1
7	0	0	0	1	0	1	9	1	14	0	0	0	1	1	3	0	1	0	0	0	0	216

0.8423736095428467

categorical_hinge

4151	0	0	0	12	0	9	2	0	0	0	3	0	0	0	1	0	2	1	0	0	0	0
0	1091	0	0	3	0	0	0	1	2	0	904	0	0	0	0	0	0	0	0	0	0	0
1	3	544	1	1	0	0	1	5	0	1	0	0	0	3	39	0	41	1	1	0	0	1
0	0	0	307	0	0	0	3	0	0	0	0	3	0	0	2	1	14	1	722	13	0	0
11	0	1	0	2122	0	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	1	0	1155	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	13	0
45	0	0	0	7	0	4533	17	1883	10	3	2	14	0	10	38	1	4	1	0	1	1	5
37	0	1	0	69	0	19	3220	0	5	0	0	1	0	1	13	0	7	1	0	0	1	2
17	0	0	0	6	0	1017	12	3598	4	5	6	18	1	5	23	0	18	0	0	2	0	5
17	0	0	0	6	0	3	1	1	941	0	1	0	0	0	0	0	1	0	0	0	0	6
10	0	1	0	12	0	11	1	2	1	986	0	0	0	1	2	0	8	1	0	1	0	0
1993	0	0	0	6	0	8	0	1	0	1	1037	0	0	2	6	0	4	0	0	0	0	1
9	7	3	3	31	0	13	2	45	1	1	0	2593	3	9	51	0	123	3	0	1	3	9
0	1	0	0	3	0	1	0	0	8	0	0	8	640	1	0	0	37	0	1	6	0	1
6	0	0	0	10	0	10	3	0	1	0	0	0	0	1073	2	4	5	0	0	1	0	0
69	0	1	0	51	0	33	27	4	12	2	2	4	0	9	6168	0	50	0	0	1	0	2
0	0	0	2	1	0	2	1	0	0	0	0	0	0	1	2	2418	1	0	0	398	0	0
28	0	0	0	858	0	22	2	0	2	3	0	0	0	0	4	0	1087	0	0	0	1	1
12	0	0	0	2	1	8	15	11	7	2	1	14	0	2	32	0	154	778	0	3	80	11
0	0	1	111	1	1	0	0	0	0	0	0	4	5	0	1	3	24	1	597	7	0	1
2	57	2	4	5	3	0	5	2	3	0	0	24	13	22	8	0	49	3	4	3016	1	2
0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	12	0	0	0	208	1
8	0	0	0	9	0	2	2	0	15	0	0	1	0	1	3	0	10	0	0	0	0	204

0.8079564571380615

logcosh

4159	0	0	0	6	0	0	7	0	0	1	5	0	0	0	2	0	1	0	0	0	0	0
0	969	0	0	0	0	1	0	0	2	1	1025	1	0	0	0	0	1	0	0	0	1	0
0	3	622	0	0	0	0	1	2	0	2	0	0	0	0	5	0	7	1	0	0	0	0
1	0	0	544	0	0	0	0	0	0	1	0	2	1	0	1	0	2	1	500	13	0	0
15	0	1	0	2115	0	0	1	0	2	1	0	0	0	0	0	0	4	0	0	0	0	1
0	0	1	1	0	1152	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	17	0
43	0	0	0	7	0	3807	20	2632	8	9	5	2	0	9	23	0	2	1	0	0	0	7
28	0	1	0	10	0	0	3326	0	0	0	0	0	1	0	8	0	2	1	0	0	0	0
10	0	0	0	2	0	639	16	4010	4	8	12	7	1	2	9	0	3	1	0	2	1	10
17	0	0	0	3	0	1	6	1	930	1	1	0	5	1	0	0	0	0	0	0	0	11
8	0	1	0	3	0	4	8	1	1	999	0	0	0	1	1	0	6	1	0	2	0	1
1118	0	0	0	2	0	6	3	0	0	1	1922	0	0	2	2	0	2	0	0	0	0	1
12	7	4	3	12	0	8	7	84	9	53	1	2481	6	7	64	0	100	3	1	6	8	34
0	0	0	0	1	0	1	0	0	3	6	0	5	680	1	0	0	5	0	1	1	0	3
6	0	0	0	7	0	1	5	0	2	0	0	0	0	1080	1	2	5	0	0	3	1	2
63	0	1	0	22	0	27	56	10	11	10	6	6	1	11	6141	0	48	0	0	3	0	19
0	0	0	8	0	0	2	1	0	0	2	0	0	1	1	1	2108	1	0	0	701	0	0
26	0	0	0	358	0	16	11	0	5	4	1	0	1	0	4	0	1580	0	0	0	1	1
9	0	0	1	2	0	5	46	16	3	2	3	14	1	2	16	0	52	893	0	8	25	35
0	0	1	200	0	0	0	0	0	0	1	0	2	5	0	1	0	5	1	538	3	0	0
2	45	6	2	3	0	0	9	1	2	37	0	19	22	5	10	0	15	3	6	3036	0	2
0	0	0	0	1	0	0	3	1	0	0	0	1	0	2	0	0	7	0	0	0	202	8
8	0	0	0	3	0	0	3	1	10	0	0	0	1	1	2	0	1	0	0	0	1	224

0.8279522657394409

categorical_crossentropy

4136	0	2	0	2	0	1	9	0	0	2	12	3	0	1	6	0	5	1	0	0	0	1
0	1559	0	0	0	0	1	0	1	2	0	426	0	0	0	8	0	1	2	0	0	1	0
0	3	607	0	0	0	0	1	2	0	0	0	0	0	0	23	0	6	1	0	0	0	0
0	0	0	169	0	0	0	0	0	0	0	0	1	1	0	2	0	1	1	870	21	0	0
19	0	2	0	2077	0	3	2	0	2	1	0	1	0	3	17	0	11	0	0	0	0	2
0	0	0	1	0	1148	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	19	0
25	0	0	0	5	0	4035	15	2399	4	1	6	6	0	8	60	0	2	4	0	3	0	2
26	0	2	0	7	0	9	3300	1	1	0	0	0	1	1	21	0	6	1	0	0	0	1
3	0	0	0	2	0	824	10	3808	4	1	11	11	1	2	47	1	4	2	0	4	1	1
18	0	0	0	4	0	1	4	1	910	0	2	0	7	1	4	0	4	1	0	0	0	20
4	1	1	0	1	0	7	6	2	1	988	0	2	0	1	10	0	9	1	0	2	0	1
611	1	0	1	2	0	16	6	6	0	1	2378	3	0	2	25	0	5	1	0	0	0	1
7	7	3	0	6	0	6	2	55	1	1	2	2609	5	3	122	0	54	8	0	10	4	5
0	1	0	0	1	0	1	0	0	1	0	0	5	684	1	4	0	5	0	1	2	0	1
4	0	0	0	2	0	1	4	0	0	0	0	1	0	1078	7	7	6	0	0	5	0	0
41	0	0	0	8	0	11	16	2	2	1	1	3	1	6	6322	0	18	0	0	2	0	1
0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	4	1992	1	0	0	826	0	0
26	0	0	0	111	0	14	6	0	3	2	1	3	1	0	14	0	1822	1	0	0	2	2
6	0	0	0	2	0	4	7	6	3	0	4	11	2	1	21	0	31	1007	0	7	16	5
0	0	1	60	0	0	0	0	0	0	0	0	1	5	1	2	0	3	2	662	17	0	3
1	159	1	0	0	0	0	1	0	1	0	0	12	12	2	19	0	8	5	4	2997	0	3
0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	1	1	0	0	219	0
7	0	0	0	1	0	0	0	1	9	0	0	0	1	1	9	0	1	0	0	2	0	223

0.8510112166404724

kullback_leibler_divergence

4166	0	0	0	1	0	0	5	0	0	2	2	0	0	1	0	0	1	3	0	0	0	0
0	1153	0	0	0	0	6	2	3	2	2	815	2	0	1	7	0	1	2	0	0	4	1
0	3	622	0	0	0	0	1	2	0	0	0	0	0	0	8	0	6	1	0	0	0	0
0	0	0	13	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1045	5	0	0
31	0	1	0	2030	0	9	16	0	2	3	0	2	0	4	11	0	27	0	0	0	2	2
0	0	0	1	0	1155	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	11	0
33	0	0	0	3	0	5982	12	498	3	7	1	1	0	7	20	1	2	3	0	0	1	1
30	0	1	0	2	0	9	3323	0	0	0	0	0	1	0	6	0	3	1	0	0	1	0
8	0	0	0	0	0	2567	9	2103	4	5	8	5	2	1	11	0	3	5	0	0	5	1
25	0	0	0	2	0	4	8	1	882	2	1	0	16	1	4	0	4	1	0	0	1	25
4	0	1	0	1	0	2	1	0	0	1022	0	0	0	1	0	0	2	1	0	2	0	0
1584	0	0	0	2	0	25	3	3	0	3	1412	2	0	2	9	0	3	6	0	0	2	3
21	7	3	0	3	0	11	2	111	0	6	0	2596	5	2	38	0	64	16	2	2	16	5
2	1	0	0	0	0	1	1	1	0	0	0	4	689	1	1	0	2	1	1	0	1	1
7	0	1	1	1	0	2	6	5	0	2	0	1	0	1070	3	8	5	1	0	1	1	0
65	0	1	0	6	0	35	27	3	3	10	3	6	1	7	6239	0	24	1	0	1	2	1
1	0	0	2	0	0	2	0	0	0	1	0	1	0	2	3	2261	0	2	1	550	0	0
30	0	0	0	35	0	19	12	0	2	5	1	2	2	0	6	0	1888	2	0	0	2	2
13	0	0	0	2	0	8	8	5	2	1	1	10	1	0	8	0	16	935	0	1	120	2
0	0	1	1	0	0	0	0	0	0	0	0	1	4	0	1	0	1	1	746	1	0	0
4	184	2	2	0	0	0	5	10	0	9	0	71	36	4	15	0	14	49	24	2789	5	2
0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	2	5	0	0	214	0
9	0	0	0	1	0	1	4	0	6	1	0	1	1	1	7	0	1	0	0	0	1	221

0.8278191089630127

poisson

4165	0	0	0	1	0	0	7	0	0	2	2	0	0	1	1	0	1	1	0	0	0	0
0	1405	0	0	1	0	5	2	2	2	3	564	3	0	1	4	0	4	3	0	0	1	1
0	3	616	0	0	0	0	1	2	0	0	0	0	0	0	5	0	15	1	0	0	0	0
0	0	0	328	0	1	0	1	0	0	0	0	1	1	0	1	0	1	1	725	6	0	0
23	0	2	0	2074	0	5	9	0	2	2	0	1	0	4	3	0	13	0	0	0	1	1
0	0	0	0	0	1151	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	15	0
38	0	0	0	4	1	5387	18	1077	5	8	1	5	0	7	11	1	4	6	0	0	0	2
26	0	1	0	6	0	4	3330	0	0	0	0	0	1	1	3	0	2	1	0	0	1	1
11	0	0	0	2	1	1744	12	2902	4	7	6	13	2	2	7	1	6	9	0	3	2	3
22	0	0	0	3	0	2	6	0	915	1	1	0	4	1	1	0	1	1	0	0	0	19
4	0	0	0	1	0	2	1	0	0	1023	0	0	0	1	0	0	3	1	0	0	0	1
1874	0	0	0	2	0	17	5	3	0	4	1127	4	0	2	11	0	6	1	0	0	0	3
25	7	4	0	4	2	9	6	71	7	11	0	2585	4	5	24	0	93	20	0	1	9	23
0	1	0	0	1	1	1	1	0	2	0	0	5	686	1	0	0	5	0	1	0	0	2
5	0	0	0	1	0	1	5	1	0	0	0	1	0	1089	1	4	5	1	0	1	0	0
68	0	1	0	11	1	37	49	10	6	11	2	6	1	9	6157	0	59	1	0	1	0	5
0	0	0	5	0	0	2	1	0	0	1	0	1	1	3	2	2315	2	2	0	491	0	0
29	0	0	0	82	0	14	11	0	3	3	0	2	2	0	4	0	1852	1	0	0	1	4
12	0	0	0	2	0	4	16	3	3	2	1	9	1	1	5	0	29	1022	0	2	15	6
0	0	1	122	0	1	0	0	0	0	0	0	1	6	0	1	0	3	2	618	1	0	1
6	149	4	4	0	4	0	10	3	1	5	0	43	28	7	9	0	13	45	8	2883	1	2
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	5	0	0	216	0
8	0	0	0	1	0	0	1	1	4	1	0	1	1	1	2	0	2	0	0	0	0	232

0.838606595993042

cosine_proximity

4162	0	0	0	4	0	0	4	0	0	2	6	1	0	0	0	0	0	2	0	0	0	0
0	1013	0	0	0	0	0	0	2	2	0	978	1	0	2	0	0	1	1	0	0	0	1
3	3	594	0	0	0	0	5	10	0	0	0	1	0	0	19	0	5	1	0	0	0	2
0	0	0	210	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	847	7	0	0
20	0	2	0	2095	0	3	5	0	4	1	0	0	0	0	0	0	9	0	0	0	0	1
6	0	0	1	0	1148	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	9	2
46	0	0	0	6	0	3155	19	3310	7	1	3	7	0	8	7	0	1	1	0	1	0	3
32	0	0	0	7	0	1	3321	0	0	0	0	0	1	1	9	0	1	1	0	0	1	2
9	0	0	0	2	0	375	13	4295	3	1	11	10	0	1	7	0	1	1	0	3	1	4
17	0	0	0	3	0	1	4	2	919	0	2	0	4	1	0	0	0	0	0	0	0	24
7	0	1	0	2	0	6	5	2	1	1002	0	2	0	1	1	0	3	1	0	2	0	1
1468	0	0	0	2	0	5	3	2	0	0	1567	3	0	2	0	0	3	0	0	0	0	4
25	7	2	2	5	0	7	9	72	3	1	1	2682	1	7	18	0	23	8	1	3	2	31
2	0	0	0	0	0	1	1	0	3	0	0	17	663	1	0	0	6	0	2	10	0	1
5	0	0	1	5	0	2	4	1	2	0	0	1	0	1080	1	2	5	1	0	2	0	3
87	0	0	3	14	0	27	52	22	11	2	3	28	1	13	6088	0	46	1	1	4	0	32
1	0	0	7	0	0	1	1	1	0	0	0	3	0	1	1	1966	0	0	0	844	0	0
30	0	0	0	243	0	16	16	2	4	3	1	5	1	0	7	0	1668	0	0	0	1	11
13	0	0	1	2	0	4	13	12	2	1	2	17	1	4	6	0	25	981	1	8	19	21
0	0	0	47	0	0	0	0	0	0	0	0	1	5	0	1	0	2	1	697	2	0	1
3	33	1	2	0	0	0	6	1	1	0	1	34	9	13	2	0	5	4	8	3098	0	4
0	0	0	0	0	0	0	3	1	0	0	0	1	0	2	1	0	0	8	0	0	203	6
8	0	0	0	1	0	0	3	1	3	0	0	0	1	1	2	0	0	0	0	0	0	235

0.8150910139083862

Adagrad

mean_squared_error

4124	0	0	0	8	0	13	4	0	1	2	15	2	0	5	3	0	3	1	0	0	0	0
1	1080	0	0	0	0	1	2	1	0	1	907	3	0	0	1	0	2	2	0	0	0	0
48	3	0	11	1	14	0	144	34	18	18	4	12	8	15	172	0	102	28	11	0	0	0
2	0	0	362	0	0	0	3	3	0	0	0	2	0	0	1	0	3	1	676	13	0	0
21	1	0	0	2071	0	5	2	0	2	1	0	4	0	2	2	0	29	0	0	0	0	0
9	0	0	1	0	1147	0	0	0	0	0	0	3	0	0	2	3	1	3	0	3	0	0
46	0	0	0	3	1	4909	13	1538	4	1	5	16	0	7	25	2	2	2	1	0	0	0
46	0	0	0	19	0	23	3239	2	4	0	0	3	1	4	31	0	2	3	0	0	0	0
16	0	0	0	1	3	1308	9	3329	6	4	8	20	1	3	16	2	4	4	0	3	0	0
13	0	0	0	3	0	4	12	1	930	0	2	2	3	1	1	0	5	0	0	0	0	0
13	0	0	0	4	0	13	5	0	1	979	0	2	4	1	5	0	8	1	0	1	0	0
1335	16	0	0	3	0	8	2	2	0	1	1675	6	1	2	3	0	2	2	0	1	0	0
27	8	0	4	5	4	29	7	138	1	7	1	2533	9	3	46	1	78	3	1	5	0	0
1	2	0	0	0	1	1	0	0	4	2	0	4	675	1	1	4	1	0	9	0	0	0
12	0	0	0	5	0	5	3	0	2	1	0	2	0	1044	10	29	2	0	0	0	0	0
88	0	0	0	21	3	35	43	10	10	6	4	7	1	8	6162	0	35	1	0	1	0	0
1	0	0	3	0	2	2	0	0	0	1	0	4	1	2	2	2337	1	0	0	470	0	0
33	0	0	0	290	0	21	14	0	4	5	0	2	1	1	9	0	1625	3	0	0	0	0
15	1	0	0	2	5	7	31	9	5	1	4	11	1	1	29	0	54	956	0	1	0	0
2	0	0	71	1	0	0	0	3	0	0	0	2	8	0	2	3	2	1	654	8	0	0
5	90	0	2	1	8	0	8	2	1	2	0	13	7	9	8	1	7	4	3	3054	0	0
5	0	0	0	1	35	0	5	1	1	0	0	4	0	1	36	0	49	87	0	0	0	0
37	0	0	0	3	0	4	48	0	73	0	0	0	0	1	21	0	67	1	0	0	0	0

0.8159091472625732

mean_squared_logarithmic_error

4115	0	2	0	8	0	8	5	0	3	2	22	1	0	5	5	0	3	1	0	0	1	0
0	1245	0	0	0	0	1	2	1	1	1	743	3	0	0	1	0	1	2	0	0	0	0
0	3	613	1	1	0	0	2	4	0	1	0	0	0	1	11	0	4	2	0	0	0	0
1	0	0	402	0	0	0	3	3	0	0	0	2	1	1	3	2	2	2	633	11	0	0
23	1	1	0	2068	0	5	2	0	3	1	0	5	0	3	2	0	25	0	0	0	1	0
8	0	0	0	0	1144	0	0	0	0	0	0	0	0	0	3	0	3	3	0	0	11	0
44	0	1	0	5	0	4936	16	1500	7	0	4	14	0	6	29	3	2	5	1	1	1	0
44	0	2	0	15	0	17	3259	1	3	0	0	4	3	3	19	0	2	4	0	1	0	0
13	0	0	0	2	2	1386	13	3233	8	4	14	18	2	4	21	2	5	5	1	4	0	0
12	0	0	0	3	0	3	10	1	932	2	2	1	5	1	1	1	3	0	0	0	0	0
10	0	1	0	4	0	11	3	1	1	991	0	1	2	1	4	0	6	0	0	1	0	0
1030	3	1	0	4	0	9	2	1	0	1	1984	9	1	3	4	0	2	3	0	2	0	0
29	9	3	3	6	1	24	7	109	3	8	1	2563	6	3	46	1	69	8	1	7	3	0
1	2	0	0	0	0	1	0	0	4	2	0	2	681	1	1	1	3	0	0	8	0	0
8	0	0	0	4	0	3	2	0	0	1	0	2	0	1066	11	15	3	0	0	0	0	0
85	0	1	0	22	2	35	43	5	12	8	4	8	1	13	6162	0	30	2	0	2	0	0
1	0	0	3	0	1	2	0	0	0	1	0	0	0	3	2	2276	1	1	0	535	0	0
33	1	0	0	301	0	20	13	0	4	3	0	2	0	0	9	0	1618	2	0	0	2	0
11	0	0	0	2	3	6	26	8	5	2	5	9	0	1	17	0	38	956	0	1	43	0
1	0	1	100	1	0	0	0	3	0	0	0	1	7	0	3	3	3	2	622	10	0	0
6	84	1	1	1	0	0	7	4	0	2	1	12	13	11	6	2	6	5	3	3059	1	0
0	0	0	0	0	0	0	2	1	0	1	0	1	0	1	2	0	4	7	0	0	206	0
33	0	0	0	3	0	3	44	1	81	1	0	1	0	1	24	0	59	2	0	0	2	0

0.8396149277687073

squared_hinge

4137	0	0	0	0	0	12	5	0	0	0	15	1	0	0	8	0	0	2	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	1998	1	0	0	1	0	0	1	0	0	0	0
42	0	0	0	0	0	0	73	9	0	0	12	21	0	0	421	0	0	5	59	1	0	0
1	0	0	0	0	0	0	3	8	0	0	0	12	0	0	9	8	0	2	986	37	0	0
329	0	0	0	0	0	18	113	2	0	0	1	95	0	0	1577	1	0	0	0	4	0	0
65	0	0	0	0	0	0	99	254	0	0	0	18	0	0	27	44	0	156	470	39	0	0
38	0	0	0	0	0	4260	9	2243	0	0	5	7	0	0	8	3	0	2	0	0	0	0
48	0	0	0	0	0	22	3265	6	0	0	0	2	0	0	29	1	0	3	0	1	0	0
12	0	0	0	0	0	865	10	3796	0	0	15	18	0	0	13	2	0	4	0	2	0	0
27	0	0	0	0	0	4	403	8	0	0	2	7	0	0	421	1	0	71	32	1	0	0
76	0	0	0	0	0	13	287	5	0	0	1	7	0	0	422	2	0	24	184	16	0	0
1099	0	0	0	0	0	7	2	0	0	0	1943	3	0	0	1	0	0	3	0	1	0	0
36	0	0	0	0	0	18	11	134	0	0	9	2551	0	0	100	2	0	17	22	10	0	0
4	0	0	0	0	0	1	9	3	0	0	0	15	0	0	49	5	0	77	392	152	0	0
32	0	0	0	0	0	10	17	5	0	0	0	4	0	0	72	890	0	0	31	54	0	0
85	0	0	0	0	0	33	45	23	0	0	4	11	0	0	6217	6	0	4	3	4	0	0
0	0	0	0	0	0	2	1	0	0	0	0	2	0	0	4	2234	0	0	4	579	0	0
182	0	0	0	0	0	22	235	8	0	0	1	22	0	0	1515	0	0	5	17	1	0	0
12	0	0	0	0	0	4	21	11	0	0	5	8	0	0	34	0	0	1034	4	0	0	0
0	0	0	0	0	0	0	0	6	0	0	0	19	0	0	13	3	0	3	684	29	0	0
8	0	0	0	0	0	0	8	0	0	0	11	23	0	0	11	1	0	6	20	3137	0	0
0	0	0	0	0	0	0	4	1	0	0	0	2	0	0	12	1	0	205	0	0	0	0
38	0	0	0	0	0	3	87	5	0	0	0	0	0	0	111	1	0	4	6	0	0	0

0.6327505111694336

categorical_hinge

4117	0	0	0	9	0	15	6	0	1	2	19	2	0	5	3	0	1	1	0	0	0	0
1	1017	0	0	0	0	1	2	0	1	1	973	2	0	0	1	0	1	1	0	0	0	0
2	3	617	1	1	0	0	1	0	0	0	0	0	0	1	13	0	3	1	0	0	0	0
8	0	1	669	0	0	0	5	4	0	0	0	2	0	1	2	5	5	2	344	18	0	0
26	1	1	0	2062	0	12	3	1	3	0	0	2	0	2	1	0	26	0	0	0	0	0
5	0	1	1	0	1059	0	0	0	0	5	0	22	0	0	2	14	3	45	0	15	0	0
52	0	1	0	4	0	5134	17	1292	7	2	5	14	1	8	28	1	2	6	0	1	0	0
52	0	1	0	16	0	19	3254	2	4	0	0	4	0	3	19	0	2	0	0	1	0	0
20	0	0	0	2	1	1635	16	2967	11	6	12	18	2	6	21	5	4	6	1	4	0	0
13	0	0	0	3	0	3	9	0	940	0	2	2	2	0	1	0	2	0	0	0	0	0
16	0	1	0	5	0	14	5	0	1	975	0	1	3	3	5	0	6	1	0	1	0	0
1228	7	0	0	5	0	6	2	0	0	0	1792	7	1	3	3	0	2	2	0	1	0	0
43	9	3	3	9	1	38	6	126	3	8	0	2531	6	5	37	1	68	6	0	7	0	0
2	3	0	0	0	0	1	0	0	7	0	0	4	676	1	0	1	4	1	0	7	0	0
12	0	0	0	4	0	10	3	0	1	0	0	2	0	1055	9	17	2	0	0	0	0	0
113	0	1	0	23	0	33	42	5	16	6	4	9	1	8	6132	1	39	1	0	1	0	0
1	0	0	3	0	0	2	0	1	0	1	0	4	1	4	2	2328	1	0	0	478	0	0
36	0	0	0	333	0	24	14	0	6	3	1	2	0	0	9	0	1577	3	0	0	0	0
21	1	0	0	2	5	8	37	9	6	0	4	12	0	1	21	0	50	955	0	1	0	0
9	0	1	347	1	0	0	1	17	0	0	0	2	12	1	3	3	4	3	334	19	0	0
5	104	1	4	1	3	0	7	5	1	3	0	11	8	7	6	0	7	2	0	3050	0	0
5	0	0	0	0	12	0	5	2	1	0	0	4	0	1	7	0	52	136	0	0	0	0
42	0	0	0	1	0	3	36	2	110	0	0	1	1	1	18	0	40	0	0	0	0	0

0.8226822018623352

logcosh

4119	0	2	0	8	0	10	4	0	3	1	22	1	0	5	3	0	2	1	0	0	0	0
1	1329	0	0	0	0	1	1	1	1	1	662	2	0	0	1	0	0	1	0	0	0	0
0	3	613	1	1	0	0	1	4	1	0	0	1	0	0	13	0	4	1	0	0	0	0
1	0	0	404	0	0	0	2	2	0	0	0	1	0	1	1	0	4	1	639	10	0	0
20	1	1	0	2077	0	4	2	0	3	1	0	4	0	2	1	0	24	0	0	0	0	0
6	0	0	1	0	1157	0	0	0	0	0	0	1	0	0	4	0	1	2	0	0	0	0
43	0	1	0	5	1	4009	10	2447	5	1	5	10	1	9	20	1	2	4	1	0	0	0
41	0	1	0	18	0	17	3262	2	4	0	0	2	1	4	21	0	2	2	0	0	0	0
17	0	0	0	2	2	795	11	3844	7	3	8	14	2	4	13	2	4	6	0	3	0	0
12	0	0	0	3	0	4	10	1	934	0	3	2	3	0	1	1	3	0	0	0	0	0
15	0	1	0	4	0	11	5	2	1	970	0	1	4	3	6	0	12	1	0	1	0	0
1223	12	1	0	4	0	8	2	6	0	1	1784	5	1	3	4	0	2	2	0	1	0	0
17	9	4	5	9	1	15	8	151	3	6	1	2548	6	4	39	1	70	5	1	7	0	0
1	2	0	0	0	0	1	0	0	3	2	0	2	683	1	1	1	4	1	0	5	0	0
7	0	0	0	5	0	2	3	1	2	0	0	2	0	1066	7	15	4	0	0	1	0	0
91	0	1	0	23	3	33	44	10	12	5	2	8	1	12	6139	1	46	2	0	2	0	0
0	0	0	3	0	1	1	2	1	0	1	0	2	1	6	2	2243	1	1	0	561	0	0
33	1	0	0	319	0	20	11	1	2	4	0	2	1	0	8	0	1603	3	0	0	0	0
12	1	0	0	2	1	4	26	11	6	2	4	12	0	1	21	0	47	982	0	1	0	0
0	0	1	98	1	0	0	0	1	0	0	0	1	7	0	3	2	3	2	629	9	0	0
5	87	1	1	2	1	0	6	2	1	2	0	6	14	9	5	0	6	4	3	3070	0	0
2	0	1	0	1	33	0	10	1	0	1	0	4	0	1	32	0	30	108	0	1	0	0
27	0	0	0	3	0	3	49	1	82	0	0	1	0	1	17	0	67	4	0	0	0	0

0.8269439339637756

categorical_crossentropy

4077	0	2	0	8	0	12	9	0	3	3	39	1	0	5	10	0	3	1	0	0	2	6
2	1132	0	0	0	0	1	4	4	1	1	847	2	0	0	4	0	1	2	0	0	0	0
0	3	610	1	1	0	0	1	4	0	1	0	1	0	1	14	0	4	1	0	0	0	1
0	0	0	440	0	0	0	2	5	0	0	0	2	0	1	0	0	2	1	603	10	0	0
31	1	1	0	2059	0	4	4	0	3	3	0	2	0	4	3	0	22	0	0	0	2	1
19	0	0	1	0	1135	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	13	0
34	0	0	0	2	0	4759	11	1686	5	1	6	16	0	7	36	2	3	1	1	0	2	3
41	0	2	0	16	0	17	3247	2	5	0	0	2	0	4	32	0	2	4	0	0	1	2
11	0	0	0	1	2	1266	10	3356	4	5	12	20	2	6	26	2	5	4	0	3	0	2
9	0	0	0	3	0	3	4	1	916	1	3	1	1	0	1	1	3	0	0	0	0	30
9	0	1	0	3	0	9	4	1	1	989	0	1	2	3	4	0	7	0	0	1	1	1
951	26	0	0	3	0	11	3	4	0	1	2032	5	0	3	15	0	2	1	0	1	0	1
38	10	3	2	9	1	26	7	103	2	7	3	2507	6	4	74	1	79	5	1	11	4	7
1	2	0	0	0	0	1	0	0	3	3	0	2	681	1	0	1	3	1	0	7	0	1
8	0	0	0	4	0	3	2	0	1	2	0	2	0	1068	7	15	1	0	0	1	0	1
88	0	1	0	21	1	28	33	7	10	8	4	7	1	13	6192	1	16	1	0	2	1	0
0	0	0	4	0	0	2	0	0	0	2	0	2	1	6	3	2030	1	0	1	774	0	0
38	1	0	0	328	0	20	11	0	6	5	3	2	1	1	16	0	1570	2	0	0	2	2
11	1	0	0	2	0	8	20	8	2	3	4	10	0	1	26	0	41	934	0	1	57	4
1	0	1	151	1	0	0	0	2	0	0	0	1	6	0	2	2	2	1	577	10	0	0
10	102	1	0	1	4	0	7	1	0	2	0	11	9	11	7	1	6	3	4	3045	0	0
1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	2	0	5	4	0	0	209	0
12	0	0	0	1	0	2	4	1	18	1	0	0	0	1	7	0	2	0	0	0	0	206

0.8327657580375671

kullback_leibler_divergence

4070	0	2	0	9	0	18	9	0	3	2	31	2	0	5	13	0	7	3	0	0	2	5
2	1126	0	0	0	1	1	4	5	1	1	849	3	0	0	5	0	1	2	0	0	0	0
0	1	617	1	1	0	0	0	4	0	1	0	0	0	2	10	0	5	1	0	0	0	0
0	0	0	299	0	0	0	1	6	0	0	0	2	0	1	2	1	4	1	741	8	0	0
22	1	1	0	2063	0	6	3	1	3	0	0	4	0	5	2	0	28	0	0	0	1	0
19	0	0	1	0	1134	0	0	1	0	0	0	2	0	0	2	0	1	1	0	0	11	0
25	0	1	1	4	0	4793	6	1689	4	0	4	12	0	7	19	2	3	1	1	0	1	2
37	0	3	0	18	0	18	3232	7	6	0	0	2	1	3	31	0	6	6	0	1	0	6
9	0	0	0	2	2	1312	8	3333	4	4	7	21	1	7	14	2	4	3	0	2	0	2
8	0	0	0	3	0	5	5	0	918	0	4	1	1	1	2	1	3	0	0	0	0	25
15	0	1	0	4	0	12	6	1	1	967	0	1	1	3	4	0	16	2	0	1	1	1
998	19	0	0	6	0	15	3	7	0	1	1975	5	1	3	17	0	2	2	0	4	0	1
25	8	2	3	7	1	30	5	150	1	4	3	2503	9	6	41	1	91	5	1	6	3	5
2	2	0	0	0	0	1	0	1	3	0	0	3	679	1	1	1	5	1	0	6	0	1
6	0	0	0	2	0	3	2	0	0	1	0	2	0	1073	7	16	2	0	0	1	0	0
82	0	1	0	22	1	34	34	13	11	5	4	7	1	10	6174	1	30	2	0	2	0	1
0	0	0	3	0	0	2	0	0	0	0	0	2	1	5	2	2171	3	0	0	637	0	0
32	0	0	0	310	0	19	7	0	2	4	1	2	2	1	9	0	1614	2	0	0	2	1
10	0	0	0	2	0	9	17	12	3	0	5	11	0	1	24	0	49	959	0	1	26	4
0	0	1	73	0	0	0	0	6	0	0	0	1	4	0	4	2	7	1	651	7	0	0
10	79	1	1	1	0	0	5	4	1	2	0	15	9	9	7	1	7	4	3	3066	0	0
0	0	0	0	1	0	0	1	1	1	0	0	1	0	1	1	0	6	8	0	0	204	0
12	0	0	0	1	0	2	3	1	18	0	0	0	1	1	8	0	4	0	0	0	0	204

0.8337931036949158

poisson

4078	0	2	0	9	0	16	10	0	3	3	25	2	0	5	12	0	6	2	0	0	2	6
2	1135	0	0	0	0	1	4	4	1	1	840	5	0	0	5	0	1	2	0	0	0	0
0	1	604	1	1	0	0	0	4	0	1	0	0	0	1	25	0	2	1	0	0	0	2
0	0	0	361	0	0	0	3	5	0	0	0	2	0	1	1	1	4	1	677	10	0	0
22	1	1	0	2071	0	3	3	0	3	1	0	4	0	5	3	0	23	0	0	0	0	0
9	0	0	1	0	1147	0	0	0	0	0	0	1	0	0	2	0	1	1	0	0	10	0
31	0	1	0	4	0	4992	11	1461	3	0	4	18	0	6	30	2	3	3	1	0	2	3
34	0	3	0	19	0	19	3248	4	3	0	0	2	0	4	30	0	2	5	0	0	0	4
11	0	0	0	1	2	1484	10	3147	3	3	7	28	1	3	20	2	5	4	0	3	0	3
11	0	0	0	3	0	4	5	1	910	0	2	2	1	1	2	1	4	0	0	0	0	30
9	0	1	0	5	0	11	3	1	1	987	0	1	1	3	4	0	7	0	0	1	1	1
1242	19	1	0	6	0	14	2	7	0	1	1727	7	1	3	18	0	2	4	0	4	0	1
26	8	2	3	8	1	29	5	102	1	5	2	2549	5	3	52	1	93	4	1	5	3	2
1	2	0	0	0	0	1	1	0	2	2	0	4	679	1	1	1	4	1	0	6	0	1
8	0	0	0	3	0	3	2	0	1	1	0	2	0	1056	7	31	1	0	0	0	0	0
85	0	1	0	21	2	29	38	8	9	6	3	8	1	11	6175	2	31	3	0	2	0	0
0	0	0	3	0	0	2	1	0	0	0	0	4	0	3	3	2308	2	0	0	500	0	0
37	0	0	0	410	0	19	14	0	4	4	0	2	1	1	13	0	1498	1	0	0	1	3
9	1	0	0	2	0	8	21	7	2	2	4	10	0	1	26	0	47	952	0	2	35	4
1	0	1	99	0	0	0	0	4	0	0	0	1	5	0	3	2	4	1	627	9	0	0
10	59	1	0	2	2	0	6	4	1	2	0	14	9	9	7	3	6	6	5	3079	0	0
0	0	0	0	1	0	0	2	1	1	0	0	1	0	1	2	0	7	8	0	0	201	0
11	0	0	0	1	0	3	4	0	16	0	0	0	0	1	9	0	4	0	0	0	0	206

0.8321188688278198

cosine_proximity

4137	0	0	0	7	0	7	2	0	1	0	14	1	0	4	3	0	1	1	0	0	0	3
0	1108	0	0	0	0	1	2	1	1	1	882	2	0	0	1	0	1	1	0	0	0	0
0	3	606	1	1	0	0	2	4	0	1	0	0	0	1	13	0	5	2	0	0	0	4
0	0	0	316	0	0	0	2	1	0	0	0	2	0	1	0	0	3	1	733	7	0	0
26	1	1	0	2064	0	5	1	0	3	1	0	1	0	2	3	0	31	0	0	0	1	0
9	0	0	1	0	1144	0	0	1	0	0	0	1	0	0	2	0	1	1	0	0	11	1
42	0	1	0	4	0	4724	15	1727	5	0	5	6	0	6	28	2	2	4	0	0	1	3
48	0	2	0	16	0	18	3244	3	5	0	0	1	1	3	24	0	4	4	0	1	1	2
16	0	0	0	2	1	1116	12	3521	5	4	11	12	2	2	17	2	5	4	0	3	1	1
12	0	0	0	3	0	3	3	1	923	1	2	0	2	1	1	1	3	0	0	0	0	21
15	0	1	0	4	0	12	5	1	1	977	0	0	3	1	6	0	7	2	0	1	0	1
1315	2	0	0	2	0	7	2	1	0	0	1719	1	0	3	3	0	1	1	0	1	0	1
29	9	2	3	7	1	19	7	128	4	3	0	2518	4	4	55	0	99	6	1	3	3	5
1	3	0	0	0	0	1	0	0	2	1	0	2	684	1	1	1	6	1	0	2	0	1
7	0	0	0	5	0	3	3	1	0	1	0	2	0	1070	9	11	2	0	0	0	0	1
82	0	0	0	24	0	34	38	9	12	2	3	5	1	9	6183	0	28	2	0	1	0	2
0	0	0	7	0	0	2	1	0	0	3	0	5	1	3	2	2270	1	1	1	529	0	0
34	0	0	0	212	0	21	9	0	3	4	0	1	0	0	8	0	1712	2	0	0	2	0
11	0	0	0	2	0	6	20	9	4	0	5	10	0	1	24	0	31	967	0	1	37	5
0	0	1	83	1	0	0	0	0	0	0	0	1	6	0	2	2	3	2	652	4	0	0
10	90	1	4	1	1	0	7	0	0	2	0	11	17	9	7	0	7	6	5	3047	0	0
1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	2	0	5	2	0	0	0	211	0
13	0	0	0	1	0	2	4	1	15	0	0	0	0	1	8	0	5	0	0	0	0	205

0.8371606469154358

Adadelta

mean_squared_error

4075	0	0	0	10	0	19	7	0	3	3	41	1	0	5	8	0	7	2	0	0	0	0
14	1144	0	0	0	0	1	2	2	1	1	827	4	0	0	2	0	2	1	0	0	0	0
7	2	586	1	1	0	0	13	4	1	1	2	0	0	1	15	0	8	1	0	0	0	0
1	0	0	355	0	0	0	4	5	0	0	0	2	1	1	3	2	2	1	680	9	0	0
24	1	0	0	2028	0	6	2	0	2	0	0	7	0	5	1	0	64	0	0	0	0	0
1	0	3	11	0	1034	0	1	0	0	10	0	25	0	0	2	27	5	23	7	23	0	0
31	0	0	0	2	0	4645	13	1825	2	0	6	21	0	5	15	4	4	0	1	1	0	0
45	0	1	0	18	0	15	3235	8	10	0	0	3	0	4	33	0	4	0	0	1	0	0
12	0	0	0	1	1	1325	10	3316	4	2	11	19	1	4	13	4	6	0	5	3	0	0
11	0	0	0	3	0	5	13	1	921	0	3	2	4	0	1	2	11	0	0	0	0	0
18	0	1	0	4	0	12	8	1	1	959	0	1	3	3	6	0	18	0	0	2	0	0
1310	46	0	0	4	0	11	1	2	0	0	1665	9	1	2	4	0	1	2	0	1	0	0
22	11	5	6	11	1	35	6	151	3	8	2	2450	19	3	41	1	114	4	2	15	0	0
2	4	0	0	0	0	1	0	1	6	1	0	5	666	1	0	2	5	1	0	12	0	0
11	0	0	0	2	0	5	2	0	1	0	0	2	0	1060	8	21	3	0	0	0	0	0
96	1	0	0	22	2	33	49	15	15	11	6	10	1	17	6077	2	74	1	0	3	0	0
0	0	0	3	0	0	2	1	0	0	1	0	2	1	12	2	2231	1	0	1	569	0	0
31	0	0	0	255	0	18	14	0	4	2	1	3	1	2	8	0	1667	2	0	0	0	0
12	1	0	0	2	8	7	50	14	7	4	4	8	0	1	22	0	66	924	0	3	0	0
1	0	2	120	1	0	0	0	8	0	0	0	1	8	2	3	3	4	1	596	7	0	0
7	76	1	2	1	5	0	7	1	1	2	0	13	7	11	7	8	9	2	4	3061	0	0
8	0	1	0	0	19	0	9	1	1	0	0	2	3	2	15	1	75	87	0	1	0	0
31	0	0	0	2	0	4	40	0	86	0	0	0	2	1	15	0	74	0	0	0	0	0

0.8122943043708801

mean_squared_logarithmic_error

4020	1	1	0	16	0	23	6	0	8	2	69	2	1	5	19	0	6	2	0	0	0	0
281	576	0	0	2	0	6	4	0	1	1	1105	10	0	1	7	0	2	1	0	4	0	0
18	4	419	1	10	0	4	46	6	6	8	2	6	1	7	82	0	21	2	0	0	0	0
7	0	1	742	0	6	9	2	87	0	2	0	6	1	3	16	21	2	1	154	6	0	0
53	1	0	0	2020	0	2	3	0	0	0	0	3	0	8	3	0	47	0	0	0	0	0
0	0	0	5	0	980	0	3	0	0	4	0	2	0	0	10	58	3	44	0	63	0	0
33	1	1	1	4	0	5243	16	1210	2	1	9	22	1	8	16	3	3	0	1	0	0	0
171	0	4	0	18	0	23	3051	7	19	8	1	2	0	4	48	0	19	2	0	0	0	0
25	3	3	5	3	1	2290	14	2307	7	4	9	19	4	5	23	4	6	2	0	3	0	0
22	0	2	0	6	1	5	28	3	880	0	1	0	2	0	7	0	20	0	0	0	0	0
101	0	1	0	8	0	15	14	0	3	828	1	1	0	3	28	1	32	0	0	1	0	0
1738	65	0	0	11	2	14	2	1	0	1	1189	12	1	3	15	0	1	0	0	4	0	0
58	17	21	8	50	4	97	8	444	8	13	6	1967	19	4	63	0	97	5	6	15	0	0
2	5	5	0	0	0	2	3	4	29	4	0	7	592	1	4	2	24	2	0	21	0	0
23	0	1	0	3	0	6	2	1	0	4	0	0	0	1007	21	41	5	0	0	1	0	0
163	1	6	1	37	1	46	41	14	8	34	5	6	1	10	5983	5	68	1	0	4	0	0
3	0	3	14	0	0	5	1	7	0	3	0	8	2	33	6	2087	2	2	2	648	0	0
96	0	0	0	539	0	17	9	0	6	5	0	6	0	1	34	0	1294	1	0	0	0	0
20	2	0	0	2	9	7	81	20	2	20	5	6	0	0	32	0	109	817	0	1	0	0
2	0	2	448	2	1	6	0	89	0	1	0	4	7	2	11	16	1	1	158	6	0	0
65	93	5	7	0	9	1	9	13	2	17	2	23	20	28	21	108	9	12	7	2774	0	0
7	0	0	0	0	1	0	6	1	1	0	0	2	0	1	10	1	78	115	0	2	0	0
91	0	1	0	2	0	4	32	0	80	0	0	0	1	1	16	0	27	0	0	0	0	0

0.7407393455505371

squared_hinge

4052	0	0	0	13	0	33	22	0	13	2	0	1	0	0	24	0	14	1	0	6	0	0
1919	0	0	0	1	0	12	2	3	0	1	0	10	0	0	9	0	2	0	0	42	0	0
30	0	0	14	7	1	2	149	3	3	27	0	12	0	0	323	0	66	1	0	5	0	0
0	0	0	734	0	11	13	3	151	1	20	0	26	0	0	10	51	2	8	0	36	0	0
43	0	0	0	1953	0	10	5	0	0	3	0	4	0	0	3	2	116	0	0	1	0	0
0	0	0	16	0	969	0	1	0	0	0	0	2	0	0	6	102	2	19	0	55	0	0
19	0	0	1	3	0	5626	1	896	0	3	0	12	0	0	1	5	3	2	0	3	0	0
76	0	0	0	14	1	37	3142	11	18	12	0	3	0	0	42	2	15	3	0	1	0	0
12	0	0	11	1	0	2671	4	1995	6	3	0	19	0	0	3	4	4	1	0	3	0	0
18	0	0	0	5	1	4	46	10	833	8	0	1	0	0	8	1	42	0	0	0	0	0
31	0	0	19	7	0	16	58	3	5	753	0	2	0	0	30	8	87	9	0	9	0	0
2986	0	0	0	5	0	22	3	2	2	2	0	14	0	0	13	0	1	1	0	8	0	0
24	0	0	33	31	1	106	6	175	20	35	0	2244	0	0	23	1	175	12	0	24	0	0
1	0	0	224	0	0	4	4	23	196	25	0	13	0	0	10	14	92	33	0	68	0	0
14	0	0	1	9	0	10	13	0	0	59	0	1	0	0	24	877	8	0	0	99	0	0
97	0	0	8	48	4	36	86	19	13	125	0	8	0	0	5753	19	202	5	0	12	0	0
0	0	0	8	0	0	2	1	6	0	9	0	6	0	0	2	2377	1	0	0	414	0	0
44	0	0	0	390	0	26	17	0	6	6	0	6	0	0	27	0	1482	2	0	2	0	0
18	0	0	4	2	7	8	65	18	5	25	0	7	0	0	28	1	79	862	0	4	0	0
0	0	0	467	0	6	5	0	167	0	12	0	25	0	0	3	37	6	2	0	27	0	0
32	0	0	29	1	8	0	9	5	1	41	0	20	0	0	13	101	7	16	0	2942	0	0
2	0	0	7	0	1	0	2	1	1	0	0	2	0	0	10	4	53	139	0	3	0	0
26	0	0	1	2	0	5	57	4	121	1	0	0	0	0	10	1	27	0	0	0	0	0

0.6795342564582825

categorical_hinge

4143	0	0	0	6	0	12	1	0	0	1	16	0	0	1	0	0	0	1	0	0	0	0
0	864	0	0	0	0	0	0	0	0	0	1136	0	0	0	0	0	1	0	0	0	0	0
0	3	623	1	0	0	1	1	4	0	1	0	0	0	0	1	0	5	1	2	0	0	0
1	0	0	175	0	0	0	1	0	0	0	0	1	0	0	0	0	3	1	877	7	0	0
17	1	1	0	2098	0	9	1	0	0	1	0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	1	0	1165	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0
79	0	0	0	3	1	5068	16	1357	5	3	5	7	0	4	15	1	5	5	1	0	0	0
39	0	1	0	12	1	25	3281	1	0	1	0	0	1	1	9	0	2	1	0	2	0	0
49	0	0	0	2	5	1714	26	2851	2	5	14	30	1	4	10	1	9	10	0	4	0	0
20	0	0	0	4	0	4	24	1	892	3	2	1	12	1	1	1	10	1	0	0	0	0
10	0	1	0	3	0	14	4	0	0	995	0	0	1	1	1	0	5	1	0	1	0	0
1237	0	0	0	2	0	10	1	0	0	0	1804	0	0	1	0	0	3	1	0	0	0	0
49	7	5	3	11	2	31	7	36	0	8	3	2573	5	5	22	0	128	9	1	5	0	0
0	2	0	0	0	0	1	0	0	2	3	0	4	677	1	0	0	12	2	1	2	0	0
9	0	0	0	6	0	10	5	0	1	2	0	0	0	1067	1	7	4	1	0	2	0	0
128	0	1	0	22	2	44	54	6	7	12	4	5	1	10	6038	0	95	1	4	1	0	0
1	0	0	2	0	0	2	0	0	0	1	0	0	0	1	1	2402	0	2	0	414	0	0
30	0	0	0	251	0	23	10	0	1	3	1	0	1	0	3	0	1683	2	0	0	0	0
16	0	0	0	2	4	7	45	4	1	2	4	8	1	1	6	0	50	979	0	3	0	0
3	0	1	63	0	0	0	0	0	0	0	0	1	5	0	1	1	4	2	672	4	0	0
4	88	2	1	0	1	0	8	0	1	1	2	6	11	7	4	0	13	6	10	3060	0	0
4	0	0	0	1	101	0	14	1	1	0	0	3	0	1	1	0	35	63	0	0	0	0
28	0	0	0	3	0	4	33	0	41	1	0	2	2	2	10	0	125	4	0	0	0	0

0.820189893245697

logcosh

3645	19	0	0	15	1	28	23	1	14	6	330	10	0	18	49	0	15	6	0	1	0	0
114	741	0	0	2	0	3	2	0	2	2	1081	18	0	6	9	0	2	5	0	14	0	0
16	4	0	17	21	0	5	121	19	14	42	3	75	0	30	163	0	96	0	0	17	0	0
0	8	0	442	0	10	19	1	208	0	18	0	187	0	2	30	42	2	12	0	85	0	0
61	1	0	0	1931	0	2	8	0	0	1	3	6	0	16	15	0	96	0	0	0	0	0
0	1	0	3	0	963	0	3	0	0	0	0	5	0	0	21	115	3	17	0	41	0	0
15	4	0	2	3	0	5071	28	1321	4	7	22	50	0	10	22	3	10	3	0	0	0	0
138	0	0	0	13	2	32	3075	8	11	5	2	2	0	6	54	0	25	3	0	1	0	0
14	12	0	10	3	1	2216	19	2281	10	11	20	80	0	10	33	6	9	2	0	0	0	0
51	1	0	0	6	1	5	87	5	746	3	2	2	0	0	17	0	50	1	0	0	0	0
120	1	0	0	9	1	14	88	3	4	576	5	3	1	16	76	6	89	12	0	13	0	0
1035	195	0	0	9	4	10	12	1	5	8	1687	38	0	12	19	0	6	6	0	12	0	0
26	35	0	37	40	4	68	7	203	16	34	13	2249	0	8	65	0	77	8	0	20	0	0
2	10	0	75	0	0	2	5	3	284	20	0	30	1	2	23	20	69	34	0	127	0	0
9	8	0	0	3	0	4	7	0	0	2	2	0	0	1001	15	58	4	0	0	2	0	0
110	6	0	1	34	3	37	79	15	8	58	11	14	0	22	5899	16	110	6	0	6	0	0
2	4	0	3	0	1	3	1	13	0	3	0	22	0	26	8	2229	1	1	0	509	0	0
68	0	0	0	429	0	11	24	0	4	3	4	13	0	7	63	0	1380	1	0	1	0	0
21	2	0	1	2	10	5	78	12	4	29	8	13	0	0	25	4	113	800	0	6	0	0
0	4	0	248	1	8	14	2	206	0	10	0	139	0	2	21	30	7	4	0	61	0	0
28	144	0	15	1	19	1	9	15	1	22	8	26	0	59	27	370	7	9	0	2464	0	0
4	0	0	0	0	2	0	3	0	1	0	1	3	0	3	11	4	59	131	0	3	0	0
79	0	0	0	1	0	3	51	0	84	0	0	0	0	1	14	0	21	1	0	0	0	0

0.7073876261711121

categorical_crossentropy

4171	0	0	0	1	0	0	5	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0
0	865	0	0	0	0	6	2	5	2	1	1105	1	0	0	10	0	1	2	0	0	1	0
0	3	600	1	0	0	0	1	4	0	0	0	0	0	0	25	0	7	1	0	0	0	1
0	0	0	125	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	932	6	0	0
36	0	1	0	2053	0	6	14	0	2	1	0	0	0	5	8	0	11	0	0	0	0	3
0	0	0	1	0	1157	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	11	1
45	0	0	0	3	0	5269	16	1195	4	0	1	0	0	7	26	1	2	2	0	0	0	4
32	0	1	0	4	0	6	3321	0	0	0	0	0	1	1	7	0	2	1	0	0	0	1
13	0	0	0	2	0	1744	12	2930	4	1	6	1	0	1	15	0	3	0	0	2	0	3
25	0	0	0	3	0	2	5	1	903	0	1	0	0	1	3	0	1	0	0	0	0	32
13	0	1	0	1	0	8	13	2	1	983	0	0	0	1	5	0	5	1	0	2	0	1
2100	0	0	0	2	0	15	3	2	0	1	924	0	0	2	7	0	1	1	0	0	0	1
88	6	3	2	6	0	19	6	279	11	3	2	2002	9	10	292	0	106	10	2	16	2	36
3	0	0	0	0	0	1	2	0	2	0	0	2	683	1	2	0	5	0	3	2	0	1
12	0	0	0	2	0	2	4	0	1	0	0	0	0	1078	3	5	5	0	0	2	0	1
87	0	1	0	8	0	28	33	5	5	2	1	1	1	7	6233	0	18	0	0	1	0	4
1	0	0	4	0	0	2	1	0	0	0	0	0	0	1	2	2321	0	0	0	494	0	0
37	0	0	0	103	0	20	14	1	4	3	0	0	1	0	9	0	1809	0	0	1	1	5
24	0	0	0	2	0	6	36	13	2	1	1	6	1	1	40	0	47	933	0	2	6	12
0	0	1	37	0	0	0	0	0	0	0	0	1	3	0	1	0	2	1	709	2	0	0
10	77	2	1	0	1	0	5	5	1	0	0	4	13	8	33	0	10	6	12	3035	0	2
2	0	0	0	1	0	1	5	0	1	0	0	0	0	1	4	0	7	3	0	0	199	1
9	0	0	0	1	0	0	3	1	4	0	0	0	1	1	4	0	0	0	0	0	0	231

0.809231162071228

kullback_leibler_divergence

4155	0	0	0	1	0	0	9	0	0	2	7	0	0	1	3	0	1	2	0	0	0	0
0	1216	0	0	0	0	7	1	1	2	1	766	1	0	0	3	0	1	1	0	0	1	0
0	3	601	0	0	0	0	1	5	0	0	0	0	0	0	22	0	9	1	0	0	0	1
0	0	0	27	0	0	0	1	0	0	0	0	1	1	0	1	0	0	1	1028	6	0	0
24	0	2	0	2081	0	6	8	0	2	1	0	0	0	1	4	0	10	0	0	0	0	1
1	0	0	1	0	1146	0	0	8	0	0	0	0	0	0	0	0	1	1	0	0	14	0
32	0	0	0	4	0	6095	10	395	4	1	4	1	0	7	18	1	1	1	0	0	0	1
27	0	1	0	6	0	12	3318	0	0	0	0	0	1	1	7	0	2	1	0	0	1	0
9	0	0	0	2	0	2915	15	1761	4	2	11	1	0	1	11	0	2	0	0	0	2	1
23	0	0	0	3	0	4	8	1	913	0	1	0	3	1	3	0	3	0	0	0	0	14
7	0	1	0	1	0	9	6	0	0	1002	0	0	0	1	2	0	5	1	0	2	0	0
1070	0	0	0	2	0	21	8	0	0	1	1942	0	0	2	9	0	2	1	0	0	0	1
19	7	3	0	8	0	31	10	109	1	6	1	2508	7	7	73	0	91	10	0	3	5	11
0	1	0	0	1	0	1	1	0	1	0	0	4	688	1	2	0	5	0	1	0	0	1
6	0	0	0	2	0	2	6	2	1	0	0	0	0	1080	2	7	6	0	0	1	0	0
54	0	1	0	8	0	38	32	3	5	2	4	2	1	7	6256	0	20	0	0	1	0	1
1	0	0	2	0	0	2	2	0	0	0	0	0	0	1	3	2445	0	0	0	370	0	0
31	0	0	0	134	0	20	14	0	4	3	1	0	1	0	8	0	1787	1	0	0	1	3
11	0	0	0	2	0	10	37	7	2	1	3	7	2	1	23	0	37	972	0	0	13	5
0	0	1	7	0	0	0	1	0	0	0	0	1	5	0	1	0	3	1	734	2	0	1
4	192	1	0	0	0	0	12	17	1	1	0	36	32	10	25	0	10	12	15	2854	1	2
0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	2	0	3	2	0	0	214	0
9	0	0	0	1	0	2	5	0	8	0	0	0	1	1	6	0	0	0	0	0	1	221

0.8374269604682922

poisson

4132	0	0	0	5	0	9	4	0	1	2	12	1	0	5	2	0	3	2	0	0	1	2
7	853	0	0	0	0	6	3	2	1	2	1117	2	0	0	5	0	1	2	0	0	0	0
0	3	616	1	0	0	0	0	4	0	1	0	0	0	0	8	0	7	1	0	0	0	2
0	0	0	512	0	0	0	3	1	0	0	0	2	0	0	2	0	3	1	535	7	0	0
27	1	1	0	2060	0	3	0	0	2	1	0	2	0	4	3	0	35	0	0	0	0	1
26	0	0	1	0	1131	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	11	0
41	0	1	1	3	0	5104	6	1357	3	0	4	11	0	6	25	2	5	1	0	0	2	3
54	0	2	0	16	0	19	3228	1	1	0	0	1	2	3	25	0	14	2	0	0	3	6
12	0	0	0	2	2	1636	7	3011	4	3	9	15	1	4	13	3	4	5	0	3	0	3
10	0	0	0	3	0	3	3	1	905	0	3	0	2	1	2	1	7	0	0	0	0	36
17	0	1	0	3	0	11	5	1	1	954	0	1	1	3	10	0	23	1	0	2	2	1
1685	3	0	0	3	0	16	1	4	0	1	1326	2	0	3	9	0	3	1	0	1	0	1
64	6	4	3	8	0	27	4	81	3	2	1	2501	5	6	43	1	129	5	1	5	7	4
2	2	0	0	0	0	1	0	0	2	0	0	2	674	1	1	1	11	0	0	9	0	1
7	0	0	0	1	0	1	1	0	1	0	0	2	0	1078	2	18	4	0	0	0	0	0
116	0	1	0	18	0	32	25	6	8	2	2	5	1	9	6172	1	34	1	0	1	0	1
1	0	0	5	0	0	2	0	0	0	0	0	0	0	5	2	2245	2	1	0	563	0	0
35	0	0	0	208	0	17	5	0	1	2	0	2	1	0	7	0	1726	2	0	0	2	0
12	0	0	0	1	0	7	8	8	3	1	4	10	0	1	11	1	63	960	0	2	36	5
2	0	1	153	0	0	0	0	0	0	0	0	1	5	0	3	1	6	2	573	9	0	1
10	60	1	2	1	2	0	10	2	0	0	1	14	9	9	14	1	14	5	3	3067	0	0
2	0	0	0	1	0	0	0	1	1	0	0	0	0	1	1	0	6	2	0	0	210	0
12	0	0	0	1	0	3	2	0	11	0	0	0	1	1	6	0	7	0	0	0	0	211

0.8228344321250916

cosine_proximity

4136	0	0	0	7	0	1	7	0	1	2	14	1	0	2	4	0	1	4	0	0	0	1
0	1455	0	0	0	0	1	0	0	2	1	539	1	0	0	0	0	1	1	0	0	0	0
0	3	614	1	0	0	0	1	7	0	0	0	0	0	0	11	0	4	2	0	0	0	0
0	0	0	283	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	779	2	0	0
17	1	1	0	2101	0	2	4	0	4	0	0	0	0	0	1	0	7	0	0	0	1	1
0	0	0	1	0	1155	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	12	0
34	0	0	0	6	0	5156	17	1287	14	3	8	9	0	8	23	1	2	3	0	1	1	2
27	0	1	0	10	0	8	3312	0	0	0	0	1	1	1	10	0	2	3	0	0	1	0
5	0	0	0	2	0	1539	12	3114	10	4	14	14	1	4	10	0	2	1	0	2	0	3
13	0	0	0	3	0	0	3	1	951	0	2	0	0	0	0	0	0	0	0	0	0	4
6	0	1	0	4	0	4	3	2	1	1004	0	1	0	1	3	0	4	1	0	2	0	0
726	1	0	0	2	0	8	3	1	0	1	2301	3	0	2	4	0	3	3	0	0	0	1
6	7	4	1	8	0	9	4	48	10	2	1	2707	3	7	29	0	45	8	0	0	5	6
0	1	0	0	1	0	1	0	0	12	0	0	6	681	1	1	0	2	0	0	0	0	1
4	0	0	0	5	0	1	4	0	3	0	0	0	0	1086	1	4	5	1	0	1	0	0
56	0	1	0	17	0	29	43	9	16	4	8	7	0	11	6201	0	26	1	1	1	0	4
0	0	0	2	0	0	2	0	0	0	0	0	2	0	2	2	2548	1	1	0	266	0	0
28	0	0	0	299	0	16	10	1	7	3	1	1	0	1	6	0	1631	1	0	0	2	1
8	0	0	0	2	0	9	13	5	8	1	4	15	0	3	10	0	17	1011	0	1	19	7
0	0	1	91	0	0	0	0	0	0	0	0	1	5	0	1	2	3	2	650	1	0	0
1	134	1	3	0	0	0	8	9	2	0	0	126	26	15	6	1	8	14	12	2856	1	2
0	0	0	0	1	0	0	2	1	1	0	0	0	0	1	0	0	2	2	0	0	215	0
7	0	0	0	2	0	0	3	0	25	0	0	0	0	1	3	0	1	0	0	0	0	213

0.8633968234062195

Adam

mean_squared_error

4143	0	0	0	5	0	0	6	0	0	2	14	2	0	1	0	0	4	4	0	0	0	0
0	1439	0	0	0	1	1	0	1	2	0	553	1	0	0	0	0	1	2	0	0	0	0
0	3	542	0	0	0	0	4	8	0	0	0	1	0	4	2	0	71	8	0	0	0	0
0	0	0	181	0	0	0	1	0	0	0	0	1	1	0	0	0	5	1	868	8	0	0
18	0	1	0	2094	0	2	4	0	2	1	0	0	0	0	0	0	17	0	0	0	0	1
0	0	0	1	0	1149	0	0	4	0	0	0	0	0	0	0	1	1	4	0	1	11	0
33	0	0	0	6	0	3961	19	2506	5	5	8	10	1	8	2	0	4	5	0	0	1	1
30	0	0	0	8	0	0	3326	0	0	0	0	1	1	0	5	0	3	2	0	0	1	0
4	0	0	0	3	0	798	13	3830	4	2	14	35	3	2	2	1	14	7	0	1	3	1
17	0	0	0	3	0	2	6	0	925	1	2	0	6	1	0	0	5	0	0	0	0	9
6	0	0	0	3	0	3	2	0	1	1010	0	1	0	1	0	0	7	1	0	2	0	0
642	0	0	0	2	0	6	2	1	0	1	2392	3	0	3	0	0	4	2	0	0	0	1
6	7	1	0	3	0	6	5	72	2	1	2	2566	9	8	9	0	194	14	1	2	1	1
0	1	0	0	0	0	1	0	0	2	0	0	3	684	1	0	0	14	0	0	0	0	1
4	0	0	0	4	0	1	5	1	1	0	0	4	0	1066	1	17	7	0	0	4	0	0
62	0	1	0	17	0	33	80	30	10	6	16	26	1	29	5519	0	588	4	2	4	1	6
0	0	0	2	0	0	2	0	0	0	0	0	1	1	3	0	2383	4	1	0	429	0	0
23	0	0	0	126	0	14	8	0	1	3	1	2	2	0	1	0	1824	1	0	0	2	0
8	0	0	0	2	0	4	9	3	3	1	4	11	1	1	2	0	50	1023	0	0	9	2
0	0	1	39	0	0	0	0	0	0	0	0	1	6	1	0	0	9	2	696	2	0	0
1	85	1	1	1	0	0	8	3	0	0	1	58	35	10	2	0	33	12	8	2966	0	0
0	0	0	0	0	0	0	1	1	0	0	0	1	0	2	0	0	8	23	0	0	189	0
7	0	0	0	1	0	0	6	1	7	0	0	0	1	2	2	0	24	0	0	0	1	203

0.8392344117164612

mean_squared_logarithmic_error

4153	0	0	0	6	0	0	3	0	0	2	5	1	0	1	7	0	0	3	0	0	0	0
0	1312	0	0	0	1	1	0	1	2	1	671	2	0	0	5	0	1	4	0	0	0	0
0	3	578	0	0	0	0	1	1	0	2	0	0	0	0	53	0	3	1	0	0	0	1
0	0	0	150	0	0	0	0	0	0	0	0	2	0	0	4	0	3	1	895	11	0	0
17	1	1	0	2080	0	2	5	0	2	2	0	4	0	0	5	0	19	0	0	0	1	1
0	0	0	0	0	1150	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	19	0
43	0	0	0	6	0	4590	17	1806	6	16	3	17	0	8	51	0	2	3	0	0	1	6
33	0	1	0	8	0	6	3297	0	0	0	0	0	1	1	19	0	2	5	0	0	1	3
11	0	0	0	2	0	1025	10	3580	4	8	9	34	0	1	35	0	3	5	0	2	3	5
18	0	0	0	3	0	2	3	1	913	1	1	0	0	1	5	0	1	1	0	0	1	26
6	0	0	0	1	0	1	1	0	0	1021	0	0	0	1	2	0	2	1	0	1	0	0
1527	0	0	0	2	0	5	3	1	0	1	1503	1	0	2	12	0	1	0	0	0	0	1
7	7	1	0	3	0	6	2	28	0	8	0	2705	2	3	71	0	43	13	0	0	4	7
0	0	0	0	0	0	1	0	0	4	3	0	28	648	1	4	0	7	6	1	2	1	1
5	0	0	0	5	0	2	5	0	1	3	0	8	0	1070	5	2	5	1	0	2	0	1
51	0	0	0	11	0	18	14	5	2	3	3	5	1	6	6302	0	10	1	0	1	0	2
0	0	0	5	0	0	2	0	0	0	1	0	14	0	1	3	1893	0	1	0	905	1	0
26	0	0	0	121	0	15	10	1	3	4	1	4	0	0	14	0	1804	1	0	0	2	2
10	0	0	0	2	0	4	5	6	2	2	2	11	0	1	31	0	17	1009	0	1	22	8
0	0	1	46	0	0	0	0	0	0	0	0	2	3	0	3	0	3	2	694	2	0	1
1	34	2	1	0	0	0	1	2	0	4	0	155	16	6	58	0	10	32	8	2890	3	2
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	1	2	0	0	218	0
7	0	0	0	1	0	0	2	1	5	0	0	0	1	1	8	0	2	0	0	0	1	226

0.8330511450767517

squared_hinge

4172	0	0	0	0	0	0	4	0	0	1	0	0	0	0	2	0	0	0	0	0	0	2
0	1285	0	0	0	0	1	1	0	2	1	708	1	0	1	0	0	1	0	0	0	0	0
0	3	626	0	0	0	0	1	0	0	0	0	0	0	0	2	0	9	1	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1052	12	0	0
32	0	2	0	0	0	19	49	0	5	1	1	22	0	11	27	0	1962	0	0	4	0	5
0	0	0	0	0	1161	0	0	0	0	0	0	1	0	0	0	0	2	7	1	0	0	0
43	0	0	0	0	0	5070	19	1411	4	1	2	8	0	7	5	1	1	1	0	0	0	2
30	0	1	0	0	0	1	3331	1	0	0	0	0	1	1	8	0	3	0	0	0	0	0
15	0	0	0	0	0	1437	13	3221	3	2	6	24	0	2	5	1	1	2	0	4	0	1
18	0	0	0	0	0	3	8	0	898	0	1	0	8	1	1	0	2	0	0	0	0	37
8	0	1	0	0	0	8	7	2	1	997	0	0	0	1	3	0	6	1	0	2	0	0
2332	0	0	0	0	0	7	3	0	0	0	705	2	0	2	3	0	3	1	0	0	0	1
6	7	3	0	0	0	8	6	53	0	1	0	2704	6	6	21	0	58	11	0	9	0	11
0	0	0	0	0	0	1	3	0	0	0	0	8	680	1	0	0	9	0	0	4	0	1
6	0	0	0	0	0	2	4	0	0	0	0	3	0	1083	1	7	5	0	0	4	0	0
69	0	1	0	0	0	37	57	13	8	2	1	11	1	9	6156	0	55	2	1	3	0	9
0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	2330	1	1	1	489	0	0
31	0	0	0	0	0	22	15	1	3	3	0	4	1	0	7	0	1918	3	0	0	0	0
12	0	0	0	0	0	5	13	11	2	1	1	13	1	2	6	0	32	1018	0	7	0	9
0	0	1	0	0	0	0	0	0	0	0	0	1	5	0	1	0	3	1	742	3	0	0
1	6	1	0	0	0	0	8	1	1	0	0	21	18	9	2	0	11	5	5	3133	0	3
0	0	0	0	0	1	1	2	0	0	0	0	6	0	2	1	0	21	187	0	2	0	2
8	0	0	0	0	0	1	4	1	4	0	0	0	1	1	3	0	5	0	0	0	0	227

0.7887406945228577

categorical_hinge

4132	0	0	0	7	0	12	4	0	0	2	17	0	0	1	3	0	0	3	0	0	0	0
0	1540	0	0	0	0	0	0	0	0	0	461	0	0	0	0	0	0	0	0	0	0	0
0	3	576	0	0	0	0	1	7	0	0	0	1	0	0	37	0	7	9	1	0	0	1
0	0	0	194	0	0	0	1	0	0	0	0	2	0	0	2	0	2	4	851	10	0	0
17	1	1	0	2071	0	13	1	0	2	0	0	0	0	0	5	0	27	0	0	0	2	0
1	0	0	0	0	1142	0	0	1	0	0	0	0	0	0	0	0	1	4	1	0	21	1
35	0	0	0	4	0	5291	13	1185	5	0	7	4	0	6	17	1	2	2	0	0	1	2
35	0	1	0	10	0	25	3285	0	1	0	0	0	1	1	12	0	2	3	0	0	1	0
10	0	0	0	2	0	1567	12	3077	3	1	15	19	0	1	10	0	1	8	0	3	5	3
15	0	0	0	3	0	5	2	0	939	0	2	0	0	0	2	0	0	0	0	0	0	9
7	0	1	0	4	0	14	3	2	2	979	0	0	0	1	10	0	8	4	0	1	1	0
742	1	0	0	2	0	10	1	0	0	0	2297	0	0	2	2	0	1	0	0	0	0	1
8	9	3	1	3	0	13	2	45	3	3	1	2674	1	3	41	0	47	18	0	0	12	23
0	6	0	0	0	0	1	0	0	5	0	0	7	673	1	1	0	5	4	1	1	0	2
7	0	0	0	6	0	14	3	0	3	0	0	0	0	1067	4	4	5	1	0	1	0	0
58	0	1	0	12	0	38	21	5	9	1	9	8	0	6	6242	0	17	2	0	1	3	2
0	0	0	5	0	0	2	0	0	0	0	0	2	0	1	4	2194	0	1	0	616	1	0
28	0	0	0	98	0	25	9	1	5	2	1	1	0	0	7	0	1826	3	0	0	2	0
9	0	0	0	2	0	7	4	4	5	1	4	7	0	1	12	0	14	1026	0	1	32	4
0	0	1	49	0	0	0	0	0	0	0	0	2	6	0	1	0	5	7	680	4	0	2
1	248	1	0	0	0	0	4	1	2	0	0	18	13	6	9	0	7	15	7	2885	6	2
0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	0	1	1	0	0	217	1
8	0	0	0	1	0	4	3	0	16	0	0	0	0	1	6	0	2	0	0	0	0	214

0.8603527545928955

logcosh

4169	0	0	0	6	0	0	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1	646	0	0	2	1	1	0	0	2	1	1339	3	0	2	1	0	0	2	0	0	0	0
4	3	577	0	1	0	0	3	5	3	3	0	1	0	5	25	0	11	2	0	0	0	0
0	0	0	335	0	0	0	0	0	0	0	0	6	6	0	0	10	1	2	691	15	0	0
17	0	1	0	2117	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	1	0	1157	0	0	0	0	0	0	3	0	0	0	1	1	0	0	0	9	0
74	0	0	0	7	0	5634	17	760	29	7	1	9	1	9	22	0	2	1	0	1	0	1
37	0	1	0	13	0	4	3313	0	0	0	0	0	1	1	5	0	1	1	0	0	0	0
32	0	0	0	2	0	2208	12	2394	19	3	3	34	3	5	9	5	2	1	0	5	0	0
20	0	0	0	4	0	1	3	0	943	0	1	0	4	0	0	0	0	0	0	0	0	1
7	0	0	0	5	0	3	2	0	1	1012	0	0	1	1	1	0	1	1	0	2	0	0
2489	0	0	0	2	0	3	2	0	0	1	559	0	0	2	1	0	0	0	0	0	0	0
30	6	3	1	12	0	8	5	34	18	2	1	2658	10	18	33	8	43	6	0	12	1	1
0	0	0	0	1	0	1	0	0	5	0	0	3	694	1	0	0	2	0	0	0	0	0
6	0	0	0	7	0	2	4	0	1	0	0	0	0	1085	1	7	1	0	0	1	0	0
87	0	0	0	28	0	33	48	5	12	2	0	7	1	14	6172	0	21	1	1	1	0	2
1	0	0	1	0	0	2	0	0	0	0	0	0	1	1	2551	0	0	0	0	269	0	0
31	0	0	0	929	0	17	10	0	7	3	0	0	2	1	6	0	999	2	0	0	1	0
18	0	0	0	2	1	9	21	5	11	1	1	13	4	2	14	3	21	995	0	6	4	2
0	0	1	96	0	1	0	0	0	0	0	0	9	14	0	1	13	3	2	609	8	0	0
3	2	1	0	1	0	0	4	1	3	0	0	26	35	12	3	0	5	5	4	3120	0	0
1	0	0	0	0	0	1	4	0	1	0	0	2	5	5	1	0	8	50	0	0	147	0
10	0	0	0	5	0	1	8	0	38	0	0	1	1	2	6	0	1	0	0	1	0	181

0.8003462553024292

categorical_crossentropy

4163	0	0	0	1	0	0	3	0	0	2	6	0	0	1	2	0	3	0	0	0	0	0
0	1257	0	0	1	1	3	0	1	2	2	706	2	0	0	22	0	0	2	0	0	1	1
0	3	584	0	0	0	0	1	3	0	2	0	1	0	0	40	0	8	1	0	0	0	0
0	0	0	176	0	0	0	0	1	0	1	0	1	0	0	1	0	1	1	869	15	0	0
29	0	1	0	2076	0	5	3	0	1	1	0	0	0	3	10	0	10	0	0	0	0	1
0	0	0	1	0	1157	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	10	0
41	0	0	0	5	0	5579	10	868	2	9	2	3	0	7	40	1	2	4	0	0	0	2
36	0	2	0	6	0	14	3279	1	0	3	0	0	1	1	23	0	9	1	0	0	0	1
12	0	0	0	2	0	2142	10	2499	3	7	7	12	0	1	30	0	5	2	0	2	1	2
31	0	0	0	3	0	4	4	1	879	1	1	0	11	1	7	0	8	0	0	0	0	26
5	0	1	0	1	0	2	0	0	0	1021	0	0	0	1	1	0	2	1	0	2	0	0
1342	0	0	0	2	0	17	1	1	0	1	1667	2	0	2	18	0	2	1	0	0	0	3
23	7	3	1	7	0	9	2	43	0	13	1	2631	3	4	85	0	58	8	0	3	4	5
1	0	0	0	0	0	1	0	0	1	0	0	9	682	1	3	0	5	0	1	2	0	1
10	0	0	0	3	0	2	4	0	0	1	0	1	0	1073	6	8	4	1	0	2	0	0
52	0	0	0	8	0	23	12	6	1	2	2	2	0	6	6299	0	19	1	0	1	0	1
1	0	0	4	0	0	2	0	0	0	0	0	1	0	0	3	2262	0	0	0	553	0	0
30	0	0	0	106	0	14	4	0	2	3	1	0	1	0	10	0	1834	2	0	0	1	0
14	0	0	0	2	0	8	7	7	2	2	1	11	1	1	25	0	27	959	0	7	54	5
0	0	1	57	0	0	0	0	0	0	0	0	2	5	0	2	0	2	2	678	8	0	0
3	113	1	0	0	0	0	1	2	0	4	0	62	10	8	32	0	10	6	4	2968	1	0
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	3	0	0	218	0
9	0	0	0	2	0	0	0	1	2	1	0	0	1	1	11	0	1	0	0	1	0	225

0.8402808308601379

kullback_leibler_divergence

4151	0	0	0	1	0	0	7	0	0	2	7	1	0	1	2	0	1	5	0	0	0	3
0	1253	0	0	0	0	1	0	1	2	0	712	2	0	0	4	0	1	24	0	0	1	0
0	3	586	0	0	0	0	1	5	0	0	0	1	0	0	25	0	8	11	0	0	1	2
0	0	0	122	0	0	0	0	1	0	0	0	3	1	1	1	0	0	19	896	21	0	1
27	0	1	0	2068	0	6	7	0	2	1	0	2	0	5	6	0	10	0	0	0	1	4
0	0	1	0	0	1154	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	15	0
41	0	0	0	5	0	5019	15	1396	8	4	5	10	1	8	31	0	2	23	0	0	2	5
27	0	2	0	6	0	5	3317	0	1	0	0	0	1	1	8	0	2	3	0	0	1	3
8	0	0	0	2	0	1363	10	3197	6	2	11	41	1	2	17	0	4	62	0	0	5	6
19	0	0	0	2	0	1	2	0	921	0	1	0	4	1	1	0	0	1	0	0	0	24
6	0	1	0	2	0	2	3	0	2	1007	0	0	0	1	3	0	6	1	0	1	1	1
1074	0	0	0	2	0	9	5	2	0	1	1941	1	0	2	5	0	2	11	0	0	1	3
22	7	2	0	7	0	8	3	78	14	2	3	2524	7	11	81	0	51	36	1	1	7	45
0	0	0	0	1	0	1	0	0	2	0	0	4	689	1	1	0	3	3	0	0	1	1
6	0	0	0	1	0	2	3	0	1	0	0	2	0	1083	1	6	5	2	0	1	1	1
57	1	1	0	8	0	22	28	6	7	2	4	3	1	7	6242	0	21	11	0	1	1	12
1	0	0	2	0	0	2	0	0	0	0	0	0	0	1	4	2308	0	2	0	506	0	0
29	0	0	0	152	0	19	10	0	6	3	1	2	2	0	9	0	1763	1	0	0	2	9
9	0	0	0	2	0	3	5	1	3	0	2	7	1	0	8	0	17	1044	0	3	19	9
0	0	1	38	0	0	0	0	0	0	0	0	5	7	1	2	1	1	20	669	11	0	1
2	137	1	0	0	1	0	3	2	1	0	0	31	21	15	7	0	8	118	3	2868	3	4
0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	7	0	0	216	0
7	0	0	0	1	0	0	0	1	6	0	0	0	1	1	3	0	0	0	0	0	0	235

0.8442952036857605

poisson

4157	0	2	0	1	0	0	5	0	0	2	4	1	0	3	0	0	2	4	0	0	0	0
0	1088	0	0	0	0	2	0	1	2	1	879	5	0	7	1	0	1	13	0	0	1	0
0	3	610	0	0	0	0	1	2	0	0	0	1	0	2	6	0	15	3	0	0	0	0
0	0	0	539	0	0	0	0	0	0	0	0	1	1	1	1	0	6	1	498	18	0	0
24	0	2	0	2073	0	5	6	0	1	1	0	0	0	9	3	0	15	0	0	0	0	1
1	0	0	0	0	1153	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	14	0
41	0	0	0	5	0	5369	12	1096	5	3	3	5	0	12	14	0	3	5	0	0	0	2
35	0	2	0	6	0	8	3301	2	1	0	0	0	1	1	8	0	7	4	0	0	0	1
11	0	0	0	2	0	1734	8	2923	4	2	9	8	0	7	8	0	10	7	0	2	1	1
23	0	0	0	4	0	3	2	2	887	0	1	6	22	4	2	0	3	2	0	0	0	16
5	0	1	0	1	0	3	1	0	1	1011	0	1	0	3	1	0	6	1	0	2	0	0
1410	0	0	0	2	0	16	2	5	0	1	1584	2	0	21	4	0	3	6	0	0	0	3
23	7	2	0	4	0	6	2	96	6	6	1	2527	6	31	24	1	140	17	0	4	3	4
2	0	0	0	0	0	1	0	0	1	0	0	3	690	1	0	0	8	0	0	0	0	1
3	0	0	0	0	0	1	3	0	0	0	0	0	0	1100	1	1	4	1	0	1	0	0
79	0	1	0	9	0	31	22	9	6	4	3	10	1	33	6153	0	62	5	0	3	1	3
1	0	0	5	0	0	2	0	0	0	0	0	3	0	12	0	1810	1	0	0	992	0	0
27	0	0	0	101	0	11	5	0	2	3	1	1	2	1	4	0	1846	2	0	0	2	0
12	0	0	0	2	0	5	2	6	3	1	1	7	1	3	3	0	27	1041	0	7	8	4
0	0	1	182	0	0	0	0	0	0	0	0	4	6	4	1	1	10	2	537	9	0	0
4	64	1	1	0	0	0	3	2	2	0	0	37	20	46	3	0	16	26	3	2996	1	0
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	8	0	0	213	0
9	0	0	0	1	0	0	0	1	8	0	0	0	1	2	2	0	1	0	0	1	1	228

0.8340023756027222

cosine_proximity

4154	0	0	0	7	0	0	6	0	0	2	7	0	0	1	2	0	0	2	0	0	0	0
0	1107	0	0	0	0	1	0	1	1	1	888	0	0	0	1	0	1	0	0	0	0	0
0	3	602	0	0	0	0	2	3	0	3	0	0	0	0	17	0	12	1	0	0	0	0
0	0	0	302	0	0	0	0	0	0	1	0	2	1	0	1	0	5	1	748	5	0	0
15	0	1	0	2097	0	2	5	0	2	1	0	0	0	0	1	0	14	0	0	0	1	1
0	0	0	1	0	1156	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	13	0
41	0	0	0	6	0	5471	19	998	4	7	4	7	0	8	5	0	2	1	0	0	1	1
29	0	0	0	8	0	6	3320	0	0	0	0	0	1	0	8	0	3	1	0	0	1	0
10	0	0	0	2	0	1846	13	2801	4	6	12	23	1	1	9	1	5	0	0	0	2	1
17	0	0	0	3	0	3	9	1	886	2	2	0	8	2	4	0	3	0	0	0	0	37
5	0	0	0	2	0	3	1	0	0	1021	0	0	0	1	1	0	2	0	0	1	0	0
1115	0	0	0	2	0	8	3	1	0	1	1922	0	0	3	1	0	2	0	0	0	0	1
6	7	3	1	6	0	9	5	60	0	11	1	2651	7	9	33	0	77	9	0	0	7	8
0	1	0	0	1	0	1	1	0	0	2	0	8	684	1	0	0	7	0	0	0	0	1
4	0	0	0	6	0	3	5	1	0	3	0	0	0	1082	1	5	5	0	0	0	0	0
57	0	1	0	18	0	39	51	9	2	16	6	8	1	9	6152	0	59	1	0	1	0	5
0	0	0	2	0	0	2	1	0	0	2	0	1	1	2	2	2456	0	0	0	357	0	0
26	0	0	0	206	0	16	10	0	2	4	1	0	1	0	3	0	1736	0	0	0	2	1
8	0	0	0	2	0	9	31	7	2	6	4	11	2	1	20	0	35	869	0	0	121	5
0	0	1	121	0	0	0	0	0	0	0	0	1	5	0	1	2	5	2	617	2	0	0
2	85	2	3	1	0	0	14	4	0	6	0	94	43	29	24	0	24	5	11	2876	2	0
0	0	0	0	0	0	1	2	0	0	0	0	1	0	1	1	0	0	1	0	0	218	0
8	0	0	0	2	0	1	7	1	4	1	0	0	1	1	5	0	4	0	0	0	0	220

0.8447327613830566

Adamax

mean_squared_error

4164	0	0	0	2	0	0	7	0	0	2	5	0	0	0	0	0	0	1	0	0	0	0
0	1088	0	0	0	0	1	2	3	5	2	883	5	0	1	2	0	2	4	0	1	1	1
1	3	563	0	0	0	0	6	7	2	7	0	0	1	1	39	0	10	1	0	0	0	2
0	0	0	418	0	0	0	2	0	0	1	0	2	3	0	1	1	3	1	619	15	0	0
23	0	1	0	2081	0	2	10	0	6	3	0	0	0	0	1	0	12	0	0	0	0	1
0	0	0	1	0	1157	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	10	0
47	0	0	0	6	0	5119	20	1304	14	14	2	3	2	7	26	1	2	2	0	1	1	4
30	0	1	0	7	0	0	3327	0	0	0	0	0	1	0	8	0	1	1	0	0	1	0
13	0	0	0	2	0	1478	16	3164	12	8	7	9	2	1	10	3	2	1	0	5	1	3
15	0	0	0	3	0	1	3	0	946	0	1	0	2	0	0	0	0	0	0	0	0	6
6	0	0	0	1	0	2	2	0	1	1019	0	0	0	0	1	0	2	1	0	2	0	0
1798	0	0	0	2	0	6	8	0	1	1	1229	0	0	2	5	0	3	1	0	0	0	3
9	7	3	2	4	0	7	9	56	24	35	0	2570	11	5	53	4	78	6	0	9	2	16
0	0	0	0	0	0	1	0	0	5	2	0	2	692	1	0	0	1	0	0	1	0	2
7	0	0	0	5	0	2	6	0	4	4	0	0	0	1042	1	36	5	1	0	2	0	0
64	0	1	0	13	0	27	60	9	12	11	2	2	1	8	6184	0	32	1	0	1	0	7
0	0	0	1	0	0	2	0	0	0	2	0	0	0	1	1	2444	0	0	0	375	0	0
29	0	0	0	149	0	17	11	0	7	4	1	1	1	0	6	0	1778	0	0	0	2	2
11	0	0	0	2	0	9	50	8	10	3	1	12	4	1	14	0	31	924	0	9	28	16
0	0	1	145	0	0	0	1	0	0	0	0	3	14	0	1	4	3	2	574	8	0	1
2	6	1	2	0	0	0	8	1	3	7	0	12	28	5	3	0	10	4	3	3128	0	2
0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	6	2	0	0	210	3
7	0	0	0	2	0	0	3	0	18	0	0	0	1	1	3	0	1	0	0	0	0	219

0.8378835916519165

mean_squared_logarithmic_error

4171	0	0	0	2	0	0	1	0	0	1	5	0	0	1	0	0	0	0	0	0	0	0
0	1355	0	0	0	0	0	0	1	1	0	643	0	0	0	0	0	0	1	0	0	0	0
0	3	624	0	0	0	0	1	2	0	0	0	0	0	0	6	0	6	1	0	0	0	0
1	0	0	258	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	800	2	0	0
23	1	1	0	2069	0	3	5	0	2	1	0	0	0	0	1	0	32	0	0	0	1	1
0	0	1	1	0	1157	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	11	0
44	0	0	0	6	0	3645	18	2801	6	6	6	4	0	7	22	1	2	3	0	1	1	2
37	0	1	0	9	0	5	3308	0	0	0	0	0	1	0	10	0	4	1	0	0	1	0
12	0	0	0	2	0	551	13	4115	3	4	12	4	1	2	12	0	2	1	0	1	0	2
19	0	0	0	3	0	1	3	1	919	0	1	0	3	0	1	0	4	0	0	0	0	22
9	0	1	0	2	0	2	4	0	1	1007	0	0	0	1	1	0	6	1	0	2	0	0
1196	0	0	0	2	0	5	2	0	0	1	1845	0	0	2	1	0	3	1	0	0	0	1
15	7	3	2	3	0	7	4	92	1	6	1	2563	6	7	57	0	106	9	1	4	4	12
0	1	0	0	0	0	1	0	0	1	0	0	4	686	1	1	0	11	0	0	0	0	1
6	0	0	1	5	0	2	5	1	1	0	0	0	0	1081	2	1	7	0	0	2	0	1
71	0	1	0	12	0	27	33	13	8	4	5	4	1	7	6191	0	52	0	0	1	0	5
0	0	0	6	0	0	2	0	0	0	0	0	1	1	1	2	2249	2	1	0	561	0	0
29	0	0	0	83	0	16	6	0	3	3	1	1	1	0	5	0	1857	0	0	0	1	2
11	0	0	0	2	0	4	10	8	2	1	3	8	3	1	13	0	51	994	0	3	12	7
0	0	1	39	0	0	0	0	0	0	0	0	1	5	0	1	0	3	1	705	1	0	0
5	165	2	3	0	0	0	3	2	1	0	0	25	26	3	5	0	15	5	13	2949	0	3
0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	8	9	0	0	203	1
8	0	0	0	1	0	0	3	1	6	0	0	0	1	1	3	0	5	0	0	0	0	226

0.8404901027679443

squared_hinge

4159	0	0	0	5	0	1	4	0	0	2	7	0	0	1	1	0	1	0	0	0	0	0
0	1172	0	0	0	0	1	0	1	2	2	821	1	0	0	0	0	1	0	0	0	0	0
0	3	551	1	0	0	0	1	6	0	6	0	0	0	5	53	0	10	3	3	0	0	1
0	0	0	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1059	2	0	0
18	0	1	0	2107	0	2	1	0	2	1	0	0	0	0	0	0	7	0	0	0	0	1
0	0	0	1	0	1163	0	0	0	0	0	0	1	0	0	0	0	1	5	0	0	0	1
38	0	0	0	6	0	5076	15	1403	4	4	3	0	0	6	16	1	1	1	0	0	0	1
34	0	1	0	10	0	11	3305	1	0	0	0	0	1	1	10	0	2	1	0	0	0	0
11	0	0	0	3	0	1316	12	3360	3	5	8	3	0	1	9	0	2	0	0	3	0	1
18	0	0	0	4	0	4	3	0	913	2	1	0	6	1	2	0	1	0	0	0	0	22
6	0	0	0	1	0	5	1	2	0	1016	0	0	0	1	1	0	2	0	0	2	0	0
1528	0	0	0	2	0	9	2	0	0	1	1508	0	0	2	3	0	2	1	0	0	0	1
6	7	2	3	8	0	11	4	143	4	37	1	2461	10	10	62	1	112	8	0	6	0	14
0	0	0	0	1	0	1	0	0	3	3	0	2	690	1	1	0	3	0	0	1	0	1
6	0	0	0	7	0	4	4	0	1	3	0	1	0	1075	2	7	4	0	0	1	0	0
65	0	1	0	17	0	33	32	6	9	9	3	2	1	7	6203	0	41	1	1	1	0	3
0	0	0	2	0	0	2	0	0	0	2	0	0	0	1	2	2401	0	1	1	414	0	0
28	0	0	0	292	0	18	9	2	2	4	1	0	1	0	3	0	1646	1	0	0	0	1
12	0	0	0	2	0	7	20	16	3	4	1	12	2	2	28	0	47	962	1	5	0	9
0	0	1	4	0	0	0	0	0	0	0	0	1	6	0	1	1	3	1	737	2	0	0
2	18	1	0	0	0	0	6	1	1	2	0	24	30	12	12	0	14	4	17	3080	0	1
0	0	0	0	0	16	1	4	0	0	3	0	6	0	6	16	0	25	142	0	0	0	6
9	0	0	0	2	0	1	4	1	13	1	0	0	1	1	3	0	2	0	0	1	0	216

0.833374559879303

categorical_hinge

4146	0	0	0	2	0	17	2	0	0	1	8	3	0	0	1	0	0	1	0	0	0	0
0	1279	0	0	0	0	1	0	0	1	0	720	0	0	0	0	0	0	0	0	0	0	0
0	3	600	1	0	0	0	1	5	0	1	0	1	0	0	23	0	6	2	0	0	0	0
0	0	0	219	0	0	0	1	0	0	1	0	6	1	0	2	0	4	1	817	14	0	0
25	1	1	0	2086	0	14	1	0	2	0	0	0	0	0	2	0	7	0	0	0	1	0
0	0	0	1	0	1151	0	0	0	0	0	0	7	0	0	0	0	1	0	0	0	12	0
39	0	0	0	4	0	5326	12	1146	1	1	5	11	0	6	21	1	0	1	0	0	1	0
42	0	1	0	11	0	25	3277	0	0	0	0	2	1	1	11	0	2	3	0	0	1	0
11	0	0	0	2	0	1644	10	2970	3	5	13	60	1	1	11	0	2	1	0	3	0	0
20	0	0	0	3	0	5	7	1	904	1	2	7	5	2	3	0	1	1	0	0	0	15
9	0	1	0	4	0	15	2	0	1	996	0	0	0	1	2	0	3	1	0	2	0	0
1034	0	0	1	2	0	14	2	2	0	0	1989	8	0	2	3	0	1	1	0	0	0	0
15	7	3	3	6	1	12	3	17	0	4	0	2749	3	3	30	0	49	3	1	1	0	0
2	1	0	0	0	1	1	0	0	1	2	0	9	681	1	0	0	6	0	1	0	0	1
9	0	0	0	6	0	12	3	1	0	0	0	5	0	1056	4	11	4	1	0	3	0	0
71	0	0	0	16	0	38	29	6	7	1	5	19	1	7	6215	0	18	1	0	1	0	0
1	0	0	2	0	0	2	1	0	0	0	0	11	0	1	2	2336	0	1	0	469	0	0
32	0	0	0	282	0	27	10	0	2	5	1	2	2	1	7	0	1633	2	0	0	2	0
10	0	0	0	2	0	7	8	7	2	1	4	20	2	1	23	0	22	1003	0	2	17	2
0	0	1	62	0	0	0	0	0	0	0	0	15	6	0	1	3	8	2	653	6	0	0
3	111	1	0	0	6	0	6	2	1	0	0	57	23	5	7	0	15	5	11	2971	0	1
2	0	0	0	1	0	0	0	1	0	0	0	1	0	1	2	0	0	3	0	0	214	0
21	0	0	0	3	0	4	10	0	19	0	0	4	1	2	18	0	16	1	0	0	1	155

0.8487091064453125

logcosh

4173	0	0	0	2	0	0	3	0	0	1	2	0	0	0	0	0	0	0	0	0	0
0	985	0	0	0	0	1	1	1	2	0	1008	1	0	0	0	0	1	1	0	0	0	0
7	3	559	1	0	0	0	7	5	0	1	0	0	0	2	29	0	22	3	3	0	0	1
0	0	0	210	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	846	7	0	0
23	0	1	0	2099	0	2	3	0	2	1	0	0	0	0	0	0	8	0	0	0	0	1
1	0	0	2	0	1153	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	13	0
63	0	0	0	7	0	4905	20	1520	5	3	2	7	0	7	20	1	3	1	0	4	1	6
37	0	1	0	8	0	5	3315	0	0	0	0	0	1	0	6	0	2	1	0	0	1	0
30	0	0	0	2	0	1212	16	3424	3	5	7	9	1	1	10	2	5	1	0	5	0	4
22	0	0	0	3	0	3	8	0	895	1	1	0	2	1	1	0	1	0	0	0	0	39
13	0	1	0	2	0	8	9	2	0	992	0	0	0	1	1	0	5	1	0	2	0	0
2077	0	0	0	2	0	4	3	0	0	0	969	0	0	2	0	0	1	0	0	0	0	1
36	6	3	2	8	0	7	6	45	0	5	1	2649	6	3	23	1	74	10	1	16	2	6
2	0	0	0	0	0	1	0	0	2	0	0	5	670	1	0	0	9	0	2	13	0	2
9	0	0	1	5	0	2	5	0	0	0	0	0	0	1072	2	9	6	0	0	3	0	1
107	0	1	0	18	0	35	58	6	9	5	2	7	1	9	6104	0	60	0	0	4	0	9
1	0	0	4	0	0	2	0	0	0	0	0	1	0	0	1	2288	0	0	1	528	0	0
30	0	0	0	263	0	15	10	0	2	3	0	0	1	0	3	0	1678	0	0	0	1	2
16	0	0	0	2	1	6	27	7	3	2	1	12	0	1	13	0	35	981	0	5	12	9
0	0	0	79	0	0	0	0	0	0	0	0	1	4	0	1	0	3	1	664	4	0	0
5	17	1	2	0	0	0	8	3	1	0	0	34	12	5	1	0	6	12	9	3107	1	1
2	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	5	3	0	0	211	1
9	0	0	0	2	0	0	4	1	4	0	0	0	1	1	2	0	1	0	0	0	0	230

0.8244325518608093

categorical_crossentropy

4162	0	0	0	1	0	0	5	0	0	2	6	0	0	1	0	0	1	3	0	0	0	0
0	1150	0	0	0	1	1	1	1	2	1	831	2	0	0	1	0	1	9	0	0	0	0
0	3	618	0	0	0	0	1	4	0	0	0	0	0	0	5	0	11	1	0	0	0	0
0	0	0	233	0	0	0	2	0	0	1	0	1	1	0	1	0	1	1	815	10	0	0
29	0	1	0	2071	0	3	10	0	3	3	0	0	0	6	1	0	12	0	0	0	0	1
1	0	0	1	0	1152	0	0	0	0	0	0	1	0	0	0	1	1	3	0	0	12	0
50	0	0	0	6	0	4768	17	1653	10	12	3	7	1	7	23	1	3	8	0	2	1	3
29	0	1	0	3	0	5	3318	0	1	0	0	0	1	1	9	0	4	3	0	0	1	1
13	0	0	0	2	0	1174	9	3468	4	7	10	13	1	2	11	3	5	9	0	2	2	2
22	0	0	0	3	0	1	2	1	927	1	1	0	8	1	0	0	2	0	0	0	0	8
4	0	1	0	1	0	2	1	1	0	1017	0	1	0	1	1	1	4	1	0	1	0	0
1478	0	0	0	2	0	11	4	1	0	2	1545	1	0	3	4	0	2	4	0	0	0	2
29	7	3	0	7	0	8	2	41	6	10	1	2649	10	7	24	2	66	25	0	4	2	7
1	0	0	0	0	0	1	0	0	2	1	0	3	693	1	0	0	3	1	0	0	0	1
4	0	0	0	1	0	1	4	0	1	0	0	1	0	1067	1	28	5	1	0	1	0	0
86	0	1	0	10	0	27	36	8	11	11	4	5	2	9	6176	0	40	3	0	1	0	5
1	0	0	1	0	0	2	1	0	0	0	0	0	0	1	2	2528	0	1	0	289	0	0
30	0	0	0	93	0	11	9	0	3	3	1	1	2	0	4	0	1847	2	0	0	2	0
15	0	0	0	2	0	3	6	4	4	1	1	10	2	1	7	1	23	1039	0	2	7	5
0	0	1	73	0	0	0	0	0	0	0	0	1	7	0	1	2	3	2	663	4	0	0
7	88	3	1	0	0	0	4	2	2	1	0	31	39	5	4	1	10	52	5	2967	1	2
0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	5	15	0	0	200	0
9	0	0	0	2	0	0	1	1	15	1	0	0	1	1	2	0	0	0	0	1	1	220

0.8462167978286743

kullback_leibler_divergence

4157	0	1	0	1	0	0	5	0	0	3	5	0	0	1	3	0	4	1	0	0	0	0
0	1272	0	0	0	0	2	0	1	2	3	694	2	0	0	20	0	1	3	0	0	1	0
0	3	595	0	0	0	0	1	3	0	0	0	0	0	0	32	0	8	1	0	0	0	0
0	0	0	219	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	835	9	0	0
28	0	1	0	2017	0	5	7	0	2	4	0	1	0	4	24	1	44	0	0	0	0	2
0	0	0	1	0	1141	0	0	0	0	0	0	3	0	0	1	1	1	9	0	0	15	0
40	0	0	0	4	0	4415	13	1995	5	11	6	9	0	9	54	0	5	3	0	1	1	4
36	0	2	0	4	0	7	3284	1	0	3	0	0	1	1	27	0	9	0	0	0	1	1
6	0	0	0	2	0	964	8	3631	4	16	12	17	1	3	52	1	9	5	0	1	2	3
22	0	0	0	3	0	2	3	2	875	1	1	0	9	2	5	0	7	1	0	0	0	44
4	0	1	0	1	0	2	2	0	0	1015	0	1	0	1	2	0	5	1	0	2	0	0
1159	0	0	0	2	0	11	5	2	0	3	1843	2	0	2	23	0	4	1	0	0	0	2
14	7	3	0	3	0	8	2	37	0	11	0	2622	4	4	94	0	77	13	1	1	3	6
1	1	0	0	0	0	1	0	0	2	0	0	6	685	1	2	0	5	0	1	1	0	1
5	0	0	0	1	0	2	3	0	0	0	0	0	0	1087	4	6	6	0	0	1	0	0
48	0	1	0	3	0	14	15	5	4	4	4	2	1	7	6292	0	31	1	0	1	0	2
1	0	0	4	0	0	2	0	0	0	0	0	3	0	1	4	2285	0	1	0	525	0	0
27	0	0	0	30	0	13	6	0	1	3	1	2	1	0	14	0	1905	1	0	0	2	2
11	0	0	0	2	0	4	5	6	1	2	2	7	1	1	25	0	44	1005	0	2	9	6
0	0	1	37	0	0	0	0	0	0	0	0	1	4	0	1	0	2	1	709	1	0	0
2	136	1	1	0	0	0	1	1	0	4	0	61	29	10	38	0	17	50	8	2866	0	0
0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	3	0	4	22	0	0	193	0
7	0	0	0	1	0	0	1	1	5	1	0	0	1	1	9	0	1	0	0	0	0	227

0.8435912728309631

poisson

4160	0	0	0	1	0	1	4	0	0	2	8	0	0	1	0	0	1	3	0	0	0	0
0	1045	0	0	0	1	7	0	1	2	1	936	1	0	0	3	0	1	3	0	0	0	0
0	3	597	0	0	0	0	1	6	0	0	0	0	0	1	22	0	11	2	0	0	0	0
1	0	0	201	0	0	0	2	0	0	0	0	1	1	0	1	0	0	1	852	6	0	0
29	0	1	0	2056	0	11	5	0	2	1	0	0	0	6	8	0	20	0	0	0	1	0
1	0	0	0	0	1154	0	0	0	0	0	0	0	0	0	0	1	1	5	0	0	10	0
32	0	0	0	3	0	6152	5	354	4	1	3	0	0	8	10	0	1	1	0	0	0	1
36	0	2	0	6	0	26	3279	1	1	0	0	0	1	1	14	0	6	3	0	0	0	1
7	0	0	0	2	0	3017	9	1666	4	1	12	4	1	1	8	1	2	1	0	0	0	1
20	0	0	0	3	0	4	2	0	922	1	2	0	6	1	2	0	2	0	0	0	0	12
7	0	1	0	1	0	10	1	0	1	1006	0	0	0	1	1	0	5	1	0	2	0	0
1077	0	0	0	2	0	21	1	1	0	1	1944	0	0	3	5	0	2	1	0	0	0	1
29	7	2	0	5	0	26	2	125	3	1	0	2535	6	10	51	1	72	23	0	2	3	7
2	1	0	0	0	0	1	0	0	3	0	0	3	691	1	1	0	3	0	0	0	0	1
4	0	0	0	1	0	2	3	0	1	0	0	0	0	1084	1	13	6	0	0	0	0	0
73	0	1	0	7	0	43	17	6	9	3	4	3	1	9	6227	0	27	3	0	1	0	1
1	0	0	2	0	0	2	0	0	0	0	0	0	0	4	2	2525	1	1	0	288	0	0
32	0	0	0	59	0	21	5	0	1	3	1	1	1	0	5	0	1875	2	0	0	1	1
13	0	0	0	2	0	9	3	10	2	0	3	7	1	1	10	0	27	1035	0	1	5	4
1	0	1	48	0	0	0	0	0	0	0	0	1	5	0	1	1	3	2	693	1	0	0
7	161	1	2	0	0	0	4	8	2	3	0	40	33	20	18	0	11	34	7	2871	1	2
0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	0	0	2	30	0	0	188	0
10	0	0	0	1	0	3	0	1	11	0	0	0	1	1	4	0	0	0	0	0	1	222

0.8395578265190125

cosine_proximity

4169	0	0	0	3	0	0	1	0	0	1	4	0	0	0	1	0	0	2	0	0	0	0
0	1121	0	0	0	0	1	0	1	2	1	872	1	0	1	0	0	1	0	0	0	0	0
0	3	625	0	0	0	0	1	2	0	0	0	1	0	0	2	0	8	1	0	0	0	0
0	0	0	207	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	854	2	0	0
23	0	1	0	2095	0	3	1	0	3	1	0	0	0	0	0	0	11	0	0	0	1	1
0	0	0	2	0	1151	0	0	1	0	0	0	1	0	0	0	1	2	0	0	0	13	1
38	0	0	0	6	0	4582	13	1891	8	3	4	6	0	7	11	1	2	1	0	0	1	1
40	0	1	0	10	0	12	3290	0	1	0	0	1	1	1	10	0	6	1	0	0	1	2
6	0	0	0	3	0	958	10	3700	5	4	12	15	1	2	9	3	2	2	0	2	2	1
15	0	0	0	3	0	2	3	0	943	0	2	0	0	1	0	0	2	0	0	0	0	6
10	0	1	0	2	0	9	5	2	1	994	0	1	0	1	1	0	7	1	0	2	0	0
1207	0	0	0	2	0	8	1	1	0	1	1828	2	0	3	1	0	3	1	0	0	0	1
9	7	3	1	5	0	7	3	51	6	5	0	2709	4	4	18	1	62	6	1	0	3	5
2	0	0	0	0	0	1	0	0	5	1	0	6	684	1	0	0	5	0	1	0	0	1
6	0	0	0	5	0	2	4	0	2	0	0	2	0	1080	1	7	6	0	0	0	0	0
65	0	1	0	15	0	36	24	12	12	4	5	13	1	11	6155	0	70	1	0	1	0	9
0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	1	2539	1	1	0	279	0	0
27	0	0	0	158	0	17	5	0	4	3	1	3	1	0	3	0	1783	1	0	0	2	0
9	0	0	0	2	0	6	5	8	6	1	4	15	1	2	6	0	35	979	0	2	45	7
0	0	1	39	0	0	0	0	0	0	0	0	1	6	0	1	1	3	2	702	1	0	0
2	50	8	4	0	1	0	2	5	1	1	0	129	37	8	4	0	20	7	17	2924	2	3
0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	3	3	0	0	216	0
9	0	0	0	1	0	1	2	1	15	0	0	0	1	1	2	0	2	0	0	0	0	220

0.8503643274307251

Nadam

mean_squared_error

4173	0	0	0	1	0	0	3	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0
0	774	0	0	0	1	1	0	1	2	0	1215	2	0	2	1	0	0	2	0	0	0	0
0	2	625	0	0	0	0	1	1	0	0	0	0	0	0	13	0	0	1	0	0	0	0
0	0	5	234	0	0	0	1	0	0	0	0	1	0	0	3	0	0	1	812	9	0	0
30	0	2	0	2034	0	3	13	0	4	2	0	0	0	2	39	0	11	0	0	0	0	0
0	0	2	1	0	1140	0	1	2	0	0	0	3	0	0	4	1	0	2	0	4	12	0
50	0	0	0	5	0	5445	18	1001	5	1	2	1	0	6	36	1	1	2	0	0	0	1
36	0	1	0	5	0	5	3308	1	1	0	0	0	1	0	17	0	1	1	0	0	0	0
18	0	0	0	2	0	1736	15	2922	4	1	6	6	0	1	19	0	1	1	0	4	0	1
20	0	0	0	1	0	3	2	0	942	0	1	0	0	1	4	0	0	0	0	0	0	3
13	0	1	0	2	0	7	6	2	2	984	0	1	1	2	11	0	1	2	0	2	0	0
2180	0	0	0	1	0	3	0	0	0	0	870	0	0	2	3	0	0	0	0	0	0	0
14	6	4	1	3	0	11	7	65	4	2	1	2558	2	5	180	3	15	10	2	10	2	5
2	0	0	0	0	0	1	0	0	6	0	0	7	678	1	6	0	1	0	3	2	0	0
8	0	3	0	3	0	4	5	0	2	0	0	2	0	1051	6	27	3	1	0	0	0	0
69	0	1	0	7	0	24	28	4	7	0	0	1	1	6	6262	0	19	1	2	2	0	1
0	0	0	2	0	0	2	0	0	0	0	0	0	0	2	4	2378	0	0	0	438	0	0
42	0	2	2	233	0	22	23	1	10	3	0	3	0	1	92	0	1569	2	0	0	1	2
12	0	0	0	2	0	7	12	7	4	1	1	9	0	2	35	1	6	1025	0	3	3	3
0	0	4	74	0	0	0	0	0	0	0	0	1	5	0	2	0	2	1	663	5	0	0
1	13	12	1	0	0	0	6	1	0	0	0	26	20	8	38	0	4	7	3	3085	0	0
1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	8	0	1	63	0	0	149	0
12	0	0	0	0	0	3	6	1	31	0	0	0	1	1	19	0	0	0	0	0	0	181

0.8190483450889587

mean_squared_logarithmic_error

4035	0	2	0	10	0	13	20	4	0	4	15	5	3	3	28	0	26	8	0	1	0	4
0	1788	0	0	0	0	0	1	3	2	0	195	3	0	1	2	0	2	2	0	0	1	1
0	3	623	0	0	0	0	1	4	0	0	0	0	0	0	5	0	6	1	0	0	0	0
0	0	0	85	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	962	15	0	0
10	1	2	0	2100	0	5	4	1	2	2	0	2	0	0	2	0	9	0	0	0	0	0
0	0	1	1	0	1140	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	26	0
17	0	0	0	6	0	4550	12	1949	4	4	6	7	0	8	9	0	1	1	0	0	0	1
22	0	1	0	11	0	13	3309	2	0	0	0	1	1	1	11	0	3	2	0	0	0	0
1	0	0	0	2	0	1071	7	3604	3	2	10	20	0	2	7	0	1	2	0	3	1	1
12	0	0	0	4	0	1	3	1	930	0	2	0	5	1	4	0	5	1	0	0	0	8
4	0	1	0	2	0	2	2	0	0	1019	0	1	0	0	1	0	2	1	0	2	0	0
512	3	0	2	2	0	13	14	21	0	1	2397	32	2	2	22	0	30	3	0	1	0	2
2	7	3	1	4	0	8	2	57	0	4	1	2712	1	5	31	1	54	5	0	5	3	4
0	2	0	0	0	0	1	1	0	1	1	0	12	651	1	2	0	11	1	1	19	1	2
4	0	0	0	7	0	2	4	2	0	1	0	5	0	1062	1	18	4	1	0	4	0	0
35	0	1	0	16	0	34	28	17	4	7	7	9	2	7	6192	0	64	0	3	4	0	5
0	0	0	3	0	0	2	0	0	0	0	0	0	0	1	2	2194	0	2	0	622	0	0
22	0	0	0	277	0	19	10	2	3	3	1	2	2	0	5	0	1659	0	0	0	2	1
5	0	0	0	2	0	8	4	12	2	1	4	16	1	1	10	0	58	953	0	11	40	5
0	0	1	14	1	0	0	0	0	0	0	0	1	4	0	1	1	2	2	723	7	0	0
1	113	9	0	0	0	0	3	1	0	0	1	25	3	8	7	0	9	4	6	3033	0	2
0	0	0	0	0	0	1	0	0	0	0	0	3	0	1	0	0	13	3	0	0	204	0
7	0	0	0	2	0	2	3	1	8	0	0	0	1	1	4	0	7	0	0	1	1	217

0.85957270860672

squared_hinge

4148	0	0	0	4	0	0	4	0	1	2	18	1	0	0	0	0	0	3	0	0	0	0
0	962	0	0	0	0	0	0	1	2	0	1034	1	0	0	0	0	0	1	0	0	0	0
0	3	633	0	0	0	0	1	1	0	1	0	0	0	0	1	0	2	1	0	0	0	0
0	0	0	97	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	953	11	0	0
21	1	2	0	2092	0	1	7	0	5	2	0	0	0	0	1	0	8	0	0	0	0	0
0	0	0	1	0	1157	0	1	0	0	0	0	6	0	0	0	0	0	7	0	0	0	0
47	0	0	0	6	0	4729	18	1712	10	12	6	1	1	8	21	0	2	2	0	0	0	0
32	0	1	0	8	0	2	3317	1	0	1	0	0	1	1	9	0	2	2	0	0	0	0
10	0	0	0	2	0	1200	15	3457	8	8	13	6	2	1	9	0	2	1	0	3	0	0
13	0	0	0	3	0	1	3	0	952	2	2	0	0	0	1	0	0	0	0	0	0	0
6	0	1	0	1	0	3	0	0	0	1022	0	1	0	0	1	0	1	0	0	1	0	0
895	0	0	0	2	0	3	1	0	1	0	2156	0	0	1	0	0	0	0	0	0	0	0
26	7	4	0	7	0	8	6	74	10	29	3	2637	4	8	27	0	45	9	2	4	0	0
1	0	0	0	0	0	1	0	0	6	6	0	4	683	1	0	0	1	0	0	4	0	0
7	0	0	0	6	0	3	7	1	4	8	0	5	0	1047	2	19	3	1	0	2	0	0
63	0	1	0	12	0	31	47	9	12	29	14	10	0	8	6182	0	15	1	0	1	0	0
1	0	0	2	0	0	2	2	0	0	2	0	0	0	2	1	2457	0	0	0	357	0	0
28	0	0	0	213	0	17	12	2	5	11	3	4	2	0	9	0	1699	3	0	0	0	0
10	0	0	0	2	0	7	13	8	11	3	5	12	1	0	11	0	14	1033	0	3	0	0
0	0	1	18	0	0	0	0	0	0	0	0	4	5	0	1	0	3	2	719	4	0	0
3	48	7	0	0	1	0	9	2	2	13	2	20	21	6	4	0	5	8	8	3066	0	0
0	0	0	0	0	5	1	7	0	9	2	0	5	2	2	4	0	13	175	0	0	0	0
16	0	1	0	1	0	3	28	1	159	2	0	4	0	1	19	0	19	0	0	1	0	0

0.8417838215827942

categorical_hinge

3999	0	2	0	15	0	28	21	0	4	3	61	2	1	8	27	0	6	4	0	0	0	0
0	1813	0	0	0	0	3	0	0	0	0	182	0	0	1	1	0	0	1	0	0	0	0
0	3	603	0	1	0	1	3	5	1	0	0	0	0	8	13	0	4	1	0	0	0	0
0	0	0	412	0	1	0	1	3	0	0	0	3	6	8	6	10	3	2	548	63	0	0
7	0	1	0	2114	0	9	0	0	2	0	0	0	0	0	1	0	6	0	0	0	0	0
0	0	0	0	0	1154	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	14	0
19	0	0	0	5	0	4842	6	1666	3	0	4	11	1	6	8	0	0	1	0	2	1	0
20	0	1	0	13	0	31	3281	0	8	0	0	2	2	1	14	0	2	1	0	0	1	0
0	0	0	0	2	0	1618	7	3044	4	1	9	32	2	2	6	1	2	0	0	5	2	0
9	0	0	0	3	0	4	2	2	948	0	4	1	2	1	1	0	0	0	0	0	0	0
6	0	1	0	4	0	14	7	3	1	985	0	1	2	6	2	0	2	1	0	2	0	0
406	3	0	0	3	0	23	5	7	0	0	2575	6	1	8	17	0	3	1	0	1	0	0
3	9	2	0	18	0	27	5	97	3	8	1	2636	4	12	40	1	22	3	0	17	2	0
0	2	0	0	1	0	1	0	0	5	2	0	4	682	1	1	0	1	0	0	7	0	0
2	0	0	0	7	0	11	3	0	1	0	0	0	0	1084	2	4	1	0	0	0	0	0
38	0	0	0	21	0	39	30	24	17	5	12	5	1	22	6202	1	16	1	0	1	0	0
0	0	0	1	0	0	2	1	0	0	0	0	0	0	1	1	2380	0	0	0	440	0	0
18	0	0	0	442	0	26	12	2	16	3	5	3	4	5	8	0	1460	2	0	0	2	0
7	0	0	0	2	0	4	16	17	15	2	4	16	2	2	28	1	15	918	0	13	71	0
0	0	2	143	1	1	0	0	20	0	0	0	10	14	9	9	16	3	2	448	79	0	0
1	104	1	0	0	0	0	3	2	1	1	0	8	9	14	2	0	3	2	0	3073	1	0
0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	2	0	1	1	0	0	216	0
9	0	0	0	6	0	5	7	4	196	0	0	1	1	2	18	1	3	1	0	1	0	0

0.8536557555198669

logcosh

4138	0	0	0	4	0	0	10	0	0	5	17	1	0	1	1	0	0	4	0	0	0	0
0	1525	0	0	0	0	1	0	0	1	1	472	0	0	0	0	0	0	1	0	0	0	0
1	3	545	0	0	0	0	4	12	0	19	0	0	2	7	42	0	3	4	0	0	0	1
0	0	0	437	0	0	0	1	0	0	1	0	1	8	0	1	0	1	1	609	6	0	0
21	1	1	0	2065	0	3	25	0	2	12	0	1	0	0	0	0	9	0	0	0	0	0
0	0	0	1	0	1155	0	1	0	0	2	0	0	0	0	0	1	0	3	0	0	9	0
33	0	0	0	6	0	5450	17	1012	5	15	11	1	3	9	9	0	1	2	0	0	0	1
27	0	0	0	6	0	4	3324	0	0	1	0	0	1	0	10	0	1	2	0	0	1	0
6	0	0	0	2	0	1859	12	2807	4	10	14	6	0	4	8	0	1	1	0	2	0	1
13	0	0	0	3	0	2	5	0	938	3	3	0	6	1	1	0	0	1	0	0	0	1
5	0	0	0	1	0	1	0	0	0	1028	0	0	0	0	1	0	0	0	0	1	0	0
689	1	0	0	1	0	4	3	0	0	0	2359	0	0	2	0	0	0	0	0	0	0	0
6	7	1	0	4	0	12	5	85	0	68	1	2575	18	19	35	2	46	18	0	5	2	1
0	2	0	0	0	0	1	1	0	3	10	0	2	682	1	1	0	3	0	1	0	0	0
4	0	0	0	8	0	1	6	0	0	7	0	0	0	1078	3	4	2	1	0	1	0	0
55	0	0	0	16	0	39	56	9	9	74	13	7	2	17	6113	0	22	1	0	1	0	1
0	0	0	2	0	0	2	0	0	0	3	0	0	1	2	2	2448	0	0	0	366	0	0
26	0	0	0	205	0	19	22	0	3	22	1	3	2	0	6	0	1695	2	0	0	2	0
7	0	0	0	2	0	7	9	7	5	8	4	9	3	2	10	0	11	1035	0	3	8	3
0	0	1	139	0	0	0	0	0	0	1	0	1	10	1	1	1	3	2	594	3	0	0
1	207	1	5	0	0	0	12	2	1	37	0	14	46	16	10	0	6	18	7	2842	0	0
0	0	0	0	0	0	1	2	0	0	4	0	0	0	2	0	0	2	23	0	0	191	0
9	0	0	0	2	0	3	15	1	34	3	0	1	1	2	6	0	2	0	0	0	0	176

0.8599532246589661

categorical_crossentropy

4146	0	1	0	4	0	1	10	0	0	3	3	0	0	3	2	0	1	3	0	0	0	4
0	1410	0	0	0	1	5	1	4	2	5	560	3	0	1	4	0	4	1	0	0	0	0
0	3	570	0	0	0	0	3	10	0	2	0	0	0	4	27	0	20	4	0	0	0	0
0	0	0	144	0	0	0	1	1	0	1	0	1	1	0	1	6	0	1	896	13	0	0
17	0	2	0	2087	0	8	8	0	1	3	0	0	0	4	3	1	6	0	0	0	0	0
0	0	0	1	0	1162	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	7	0
31	0	0	0	4	0	5409	16	1071	5	6	1	1	0	7	14	4	2	2	0	1	0	1
23	0	1	0	6	0	6	3329	1	0	0	0	0	1	1	4	0	2	1	0	0	0	2
5	0	0	0	2	2	1851	12	2810	3	11	5	3	0	2	8	10	7	4	0	1	0	1
20	0	0	0	3	0	2	6	1	903	1	1	0	5	3	2	0	0	0	0	0	0	30
4	0	0	0	1	0	3	2	0	0	1022	0	0	0	1	0	0	1	1	0	2	0	0
1471	0	0	0	5	0	23	20	7	0	31	1444	4	0	16	11	0	22	3	0	0	0	2
14	7	1	0	4	1	14	7	266	5	40	1	2369	7	11	37	9	76	9	0	6	5	21
0	0	0	0	1	0	1	2	3	0	1	0	2	687	1	1	2	4	0	0	1	0	1
2	0	0	0	1	0	3	5	0	0	0	0	1	0	1083	2	12	3	1	0	2	0	0
61	1	0	0	12	1	38	42	10	4	12	2	3	0	9	6199	1	24	1	0	3	1	11
1	0	0	6	0	2	2	5	1	0	1	0	4	1	9	1	1536	1	0	0	1256	0	0
29	0	0	0	210	0	17	11	0	3	4	1	2	2	0	7	0	1717	2	0	0	1	2
14	0	0	0	2	0	6	32	21	3	2	1	8	1	3	10	0	21	938	0	6	56	9
0	0	0	36	0	0	0	0	0	0	0	0	1	4	0	1	11	3	2	694	5	0	0
1	128	2	0	0	7	0	8	49	2	3	0	19	28	10	2	8	13	11	5	2926	2	1
0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	0	3	0	0	218	0
8	0	0	0	2	0	2	0	0	7	1	0	0	1	1	2	0	1	0	0	0	0	230

0.8187249302864075

kullback_leibler_divergence

4156	0	2	0	1	0	0	6	0	0	1	3	1	0	2	3	0	5	1	0	0	0	0
0	1016	0	0	0	1	4	0	11	2	0	939	7	0	4	12	0	2	3	0	0	0	0
0	3	569	2	0	0	0	1	9	0	0	0	1	0	0	34	0	20	2	2	0	0	0
0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	950	5	0	0
22	0	2	0	2089	0	6	3	0	1	0	0	0	0	2	4	1	8	0	0	1	0	1
0	0	0	1	0	1152	0	0	0	0	0	0	1	0	0	0	1	2	3	0	1	11	0
38	0	0	0	6	0	3730	8	2754	4	0	1	3	1	6	17	1	2	2	0	1	0	1
31	0	1	0	7	0	12	3299	4	1	0	0	0	1	1	12	0	7	0	0	0	0	1
8	0	0	0	2	0	1010	9	3679	1	1	6	4	0	2	6	1	4	1	0	1	0	2
21	0	0	1	5	0	4	5	6	851	0	1	9	17	6	4	0	18	3	0	0	0	26
7	1	1	2	4	0	9	7	5	2	924	0	2	2	10	12	0	43	2	1	2	0	1
1604	0	0	1	4	0	11	3	7	0	1	1400	2	0	3	13	0	8	1	0	0	0	1
9	6	2	3	8	0	7	2	118	2	1	0	2585	13	3	36	2	96	7	0	4	0	6
0	0	0	0	2	0	1	1	0	0	0	0	4	684	1	0	0	6	0	2	5	0	1
4	0	0	2	1	0	2	3	1	0	0	0	1	0	1052	1	37	6	0	0	4	0	1
49	0	0	0	9	0	28	15	14	6	1	1	5	0	7	6255	0	39	0	0	2	0	4
0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	1	2345	2	0	1	472	0	0
27	0	0	0	197	0	15	5	0	2	1	0	1	2	0	5	0	1750	2	0	0	0	1
11	0	0	1	2	0	4	4	16	1	0	1	11	3	2	15	0	54	993	0	9	2	4
0	0	0	34	0	0	0	0	0	0	0	0	1	4	0	0	1	0	0	717	0	0	0
3	37	0	4	0	0	0	3	9	1	0	0	57	22	8	7	0	13	5	10	3045	0	1
0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	1	0	12	12	0	0	195	0
7	0	0	0	1	0	0	0	1	8	0	0	0	1	1	5	0	5	0	0	2	0	224

0.8146534562110901

poisson

4161	0	2	0	1	0	0	2	0	0	2	5	0	0	4	1	0	3	0	0	0	0	0
0	1094	0	0	0	0	6	0	9	2	1	862	5	0	10	6	0	1	3	0	0	1	1
0	2	616	0	0	0	0	1	2	0	0	0	1	0	1	12	0	7	1	0	0	0	0
0	0	0	365	0	0	0	0	0	0	0	0	2	1	1	1	0	1	1	676	18	0	0
25	0	2	0	2071	0	7	5	0	1	1	0	2	0	12	4	0	9	0	0	0	0	1
0	0	0	1	0	1151	0	0	0	0	0	0	4	0	1	0	0	1	1	0	0	13	0
39	0	0	0	5	0	5382	9	1106	3	0	1	6	0	13	7	0	2	1	0	0	0	1
36	0	2	0	7	0	11	3293	3	1	0	0	0	1	6	10	0	5	0	0	0	0	2
7	0	0	0	2	0	1768	9	2901	4	1	5	17	0	11	5	0	4	0	0	1	0	2
25	0	0	0	3	0	3	2	0	899	0	1	0	4	6	4	1	4	0	0	0	0	25
5	0	1	0	1	0	6	3	1	0	1006	0	1	0	4	2	0	4	1	0	2	0	0
1443	0	0	0	2	0	18	2	6	0	1	1560	1	0	11	10	0	2	0	0	0	0	3
17	7	1	0	4	0	8	2	74	3	1	1	2643	2	35	27	0	70	4	0	3	1	7
0	0	0	0	1	0	1	1	2	0	0	0	9	685	1	0	0	6	0	0	0	0	1
2	0	0	0	0	0	1	1	0	0	0	0	0	0	1106	1	1	3	0	0	0	0	0
54	0	1	0	7	0	37	19	11	4	2	1	6	1	26	6229	0	33	0	0	1	0	3
0	0	0	6	0	0	2	0	0	0	0	0	0	0	9	1	1958	2	0	0	848	0	0
29	0	0	0	119	0	17	7	0	2	3	1	2	1	4	4	0	1816	1	0	0	1	1
13	0	1	0	2	0	10	7	15	6	1	1	15	0	4	16	0	40	959	0	10	24	9
0	0	1	110	0	0	0	0	0	0	0	0	1	6	5	1	0	3	2	622	6	0	0
4	91	2	0	0	0	0	2	1	0	0	0	56	27	70	13	0	10	5	4	2939	0	1
0	0	0	0	0	0	1	0	0	1	0	0	1	0	3	0	0	1	2	0	0	216	0
8	0	0	0	2	0	0	0	1	6	0	0	1	1	3	5	0	0	0	0	0	0	228

0.8352200388908386

cosine_proximity

4141	0	0	0	1	0	5	13	0	0	2	3	0	0	1	3	0	2	5	0	0	0	5
0	1292	0	0	0	1	3	3	2	2	1	688	1	0	0	1	0	5	1	0	0	0	1
0	3	606	0	0	0	0	5	7	0	0	0	0	0	0	12	0	9	1	0	0	0	0
0	0	0	97	0	0	0	1	0	0	0	0	1	0	0	1	0	3	1	959	3	0	0
25	0	1	0	2034	0	11	8	0	3	0	0	0	0	2	6	0	47	0	0	0	2	1
0	0	0	1	0	1157	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	11	1
33	0	0	0	5	0	5976	18	501	6	0	3	3	0	5	18	1	2	0	0	0	1	3
24	0	1	0	9	0	13	3314	0	0	0	0	0	1	1	9	0	1	3	0	0	1	0
8	0	0	0	2	0	2792	13	1880	5	1	11	8	0	1	10	0	3	0	0	1	1	1
13	0	0	0	3	0	2	3	0	922	0	2	0	4	0	1	0	0	0	0	0	0	27
6	0	0	0	4	1	12	11	3	2	963	0	0	0	2	8	0	20	2	0	2	0	1
1784	0	0	0	1	0	15	5	0	0	0	1233	2	0	2	3	0	5	1	0	0	0	8
5	7	3	0	3	0	17	6	274	11	2	0	2334	1	10	75	0	81	17	1	2	19	42
0	0	0	0	0	1	1	0	0	30	0	0	7	642	0	0	0	13	3	0	5	0	5
4	0	0	1	6	0	4	6	2	2	0	0	0	0	1071	2	4	5	2	0	4	0	2
59	0	1	1	16	0	36	38	10	9	2	3	2	0	7	6168	0	65	2	0	1	0	15
0	0	0	6	0	1	2	1	0	0	0	0	0	0	1	2	1969	4	1	0	839	0	0
28	0	0	0	92	0	21	12	0	4	1	1	2	2	1	8	0	1830	1	0	0	2	3
7	0	0	0	2	0	13	10	6	4	0	4	5	1	1	12	0	16	961	0	1	81	9
0	0	1	35	0	0	0	0	0	0	0	0	1	5	0	1	0	3	2	707	1	0	1
1	158	3	1	0	0	0	12	10	1	0	0	57	18	13	5	0	29	30	15	2864	4	4
0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	1	1	0	0	218	1
7	0	0	0	1	0	1	3	1	6	0	0	0	1	1	2	0	2	0	0	0	0	230

0.8106580972671509

1.3. A legjobb hálók eredményei az egyes fájlokra

ARat_2016_10_12__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

4175	0	0	0	1	0	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
0	858	0	0	0	0	2	2	2	2	1	1130	1	0	0	1	0	1	0	0	0	1	0
2	3	594	0	0	0	0	3	6	0	0	0	0	0	0	27	0	6	1	0	0	0	1
2	0	0	315	0	0	0	1	0	0	0	0	1	0	0	1	0	1	1	734	10	0	0
24	0	1	0	2059	0	5	15	0	3	1	0	0	0	0	8	0	22	0	0	0	1	1
0	0	1	1	0	1140	0	0	0	0	0	0	2	0	0	1	1	1	1	0	1	22	1
50	0	0	0	4	0	5198	18	1258	4	0	2	0	0	7	25	1	3	1	0	2	0	2
36	0	1	0	4	0	5	3314	0	0	0	0	0	1	1	10	0	3	1	0	0	1	0
21	0	0	0	2	0	1548	12	3118	3	1	6	4	0	1	13	0	2	1	0	3	1	1
23	0	0	0	4	0	3	10	1	905	0	1	0	2	1	3	0	3	1	0	0	0	20
7	0	1	0	2	0	7	6	0	1	997	0	0	0	1	7	0	5	1	0	2	0	0
2007	0	0	0	2	0	7	2	0	0	1	1033	0	0	2	2	0	1	1	0	0	0	1
32	6	3	2	3	0	10	4	98	2	1	1	2523	4	2	103	0	81	7	1	18	3	6
4	0	0	0	0	0	1	0	0	2	0	0	8	663	1	6	0	11	0	2	8	0	1
8	0	0	1	6	0	8	4	1	1	0	0	0	0	1062	6	5	5	1	0	7	0	0
67	0	1	0	11	0	33	35	5	4	2	2	1	0	7	6248	0	16	1	0	1	0	1
0	0	0	5	0	0	2	0	0	0	0	0	1	0	0	4	2092	0	0	0	722	0	0
31	0	0	0	75	0	19	12	0	5	2	0	1	0	0	7	0	1852	2	0	1	1	0
13	0	0	0	2	0	8	13	11	1	1	1	12	1	3	25	0	29	989	0	6	10	8
1	0	1	114	0	0	0	0	0	0	0	0	1	5	0	1	1	4	2	621	6	0	0
6	16	3	3	0	0	0	5	4	1	0	0	37	11	14	12	0	11	8	5	3088	0	1
0	0	0	0	0	0	1	2	0	0	0	0	1	0	1	3	0	2	1	0	0	214	0
8	0	0	0	1	0	1	3	1	4	0	0	0	1	1	6	0	3	0	0	0	0	226

0.8235003352165222

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

4160	0	0	0	3	0	0	5	0	0	2	7	0	0	1	0	0	1	2	0	0	0	0
0	1019	0	0	0	0	0	1	0	2	1	975	0	0	0	0	0	1	1	0	0	1	0
3	3	569	2	0	0	0	14	4	0	1	0	1	0	0	18	0	13	12	0	0	0	3
1	0	0	511	0	0	0	2	0	0	0	0	1	0	0	1	0	0	1	541	8	0	0
21	0	1	0	2079	0	2	16	0	2	1	0	0	0	1	1	0	15	0	0	0	0	1
1	0	0	2	0	1147	0	0	0	0	0	0	3	0	0	0	1	1	3	0	1	12	1
74	0	0	0	6	0	3394	31	2965	7	11	4	9	1	8	34	2	7	5	0	2	1	14
30	0	0	0	5	0	0	3331	0	0	0	0	0	1	0	7	0	1	2	0	0	0	0
22	0	0	0	2	0	461	27	4128	4	7	11	18	4	2	18	2	5	10	0	3	1	12
18	0	0	0	3	0	1	6	0	907	0	2	0	3	1	1	0	1	1	0	0	0	33
5	0	0	0	2	0	1	8	0	1	1010	0	0	0	1	2	0	3	1	0	2	0	1
1053	0	0	0	2	0	2	2	0	0	1	1991	0	0	2	0	0	3	2	0	0	0	1
30	7	2	1	5	0	7	20	26	3	4	2	2622	4	2	48	0	69	18	0	4	2	34
1	1	0	0	0	0	1	0	0	2	0	0	5	686	1	0	0	7	0	1	0	0	2
7	0	0	0	6	0	1	5	0	1	0	0	2	0	1068	3	11	5	1	0	4	0	1
65	0	0	0	13	0	22	64	10	9	2	4	4	1	8	6181	0	40	1	0	1	0	10
0	0	0	2	0	0	2	3	0	0	0	0	0	0	1	3	2334	0	1	0	480	0	0
29	0	0	0	100	0	10	12	0	2	3	1	1	1	0	4	0	1841	1	0	0	1	2
9	0	0	0	2	0	4	15	5	3	1	4	9	0	0	5	0	23	1036	0	6	3	8
1	0	0	208	0	0	0	0	0	0	0	0	1	5	0	1	0	5	2	533	1	0	0
6	91	0	3	0	0	0	9	1	2	1	0	21	23	6	7	0	9	13	7	3024	0	2
0	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	0	2	21	0	0	195	2
7	0	0	0	1	0	0	3	0	4	0	0	0	1	1	2	0	0	0	0	0	0	236

0.8371606469154358

Kernel: (4, 2), Adamax, cosine_proximity

4161	0	0	0	3	0	1	8	0	0	1	3	0	0	0	1	0	1	2	0	0	0	0
0	1082	0	0	0	0	3	6	1	2	0	874	19	0	1	8	0	1	3	0	0	1	0
0	3	564	1	0	0	0	12	6	0	0	0	1	0	2	40	0	8	6	0	0	0	0
0	0	0	382	0	0	0	1	0	0	0	0	1	1	0	1	0	1	1	667	11	0	0
20	0	1	0	2077	0	4	16	0	2	2	0	2	0	0	2	0	13	0	0	0	1	0
0	0	0	2	0	1153	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0	13	0
42	0	0	0	6	0	5635	22	828	4	0	1	3	0	7	22	1	1	1	0	0	1	1
26	0	1	0	4	0	4	3332	0	0	0	0	0	0	0	8	0	1	1	0	0	0	0
13	0	0	0	2	0	2175	19	2470	3	2	6	22	0	1	16	2	1	1	0	3	1	0
18	0	0	0	4	0	3	13	1	921	0	1	0	2	1	2	0	4	1	0	0	0	6
8	0	1	0	2	0	10	21	0	1	980	0	1	0	1	4	0	5	1	0	2	0	0
1844	0	0	1	2	0	14	7	0	0	1	1150	18	0	2	15	0	3	1	0	0	0	1
8	7	1	1	5	0	13	18	34	1	1	0	2703	1	4	57	0	41	9	1	2	3	0
0	0	0	0	0	0	1	4	0	1	0	0	10	676	1	3	0	8	0	1	1	0	1
7	0	0	0	5	0	7	6	0	1	0	0	1	0	1049	4	29	5	1	0	0	0	0
57	0	0	0	12	0	35	65	4	7	2	1	4	1	8	6215	0	22	1	0	1	0	0
0	0	0	2	0	0	2	4	0	0	0	0	0	0	1	3	2536	0	1	0	277	0	0
27	0	0	0	119	0	19	14	0	3	3	0	2	0	0	6	0	1811	2	0	0	2	0
10	0	0	0	2	1	8	29	7	2	1	2	16	1	1	16	0	20	1010	0	0	6	1
0	0	1	151	0	0	0	0	0	0	0	0	2	5	0	1	3	5	2	584	3	0	0
1	10	1	2	1	0	0	21	2	2	0	0	82	19	7	17	0	12	6	6	3036	0	0
0	0	0	0	0	0	1	5	0	1	0	0	1	0	1	0	0	0	7	0	0	209	0
7	0	0	0	2	0	4	20	0	13	0	0	3	1	1	7	0	10	0	0	0	1	186

0.8356385827064514

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

4161	0	1	0	7	0	0	1	0	0	2	6	0	0	1	0	0	0	2	0	0	0	0
0	1153	0	0	1	0	1	0	0	2	1	839	1	0	1	0	0	1	1	0	0	0	0
0	3	629	0	0	0	0	1	1	0	0	0	0	0	0	2	0	6	1	0	0	0	0
0	0	0	368	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	694	1	0	0
15	0	2	0	2114	0	0	0	0	2	1	0	0	0	0	0	0	5	0	0	0	0	1
0	0	1	1	0	1158	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	10	0
46	0	0	0	7	0	4179	14	2248	4	14	7	10	1	9	24	0	3	3	0	0	1	5
42	0	1	0	18	0	9	3263	0	1	3	0	0	1	1	15	0	13	3	0	0	1	6
9	0	1	0	2	0	734	7	3896	3	12	14	15	2	6	12	0	11	4	0	1	2	6
19	0	0	0	3	0	2	3	0	902	1	1	0	8	1	1	0	3	0	0	0	0	33
7	0	0	0	2	0	1	0	0	0	1024	0	0	0	0	0	0	2	0	0	1	0	0
1193	0	0	0	3	0	2	0	1	0	1	1853	0	0	2	0	0	3	0	0	0	0	1
9	7	6	0	13	0	7	1	36	0	21	1	2589	11	7	44	0	136	7	2	0	4	9
0	1	0	0	1	0	1	0	0	1	0	0	4	684	1	0	0	12	0	1	0	0	1
6	0	1	0	6	0	1	4	0	0	0	0	0	0	1088	2	1	6	0	0	0	0	0
64	0	1	0	23	0	27	16	9	6	9	5	4	1	12	6196	0	55	0	0	1	0	6
0	0	0	11	0	0	2	0	0	0	1	0	5	2	4	2	2403	2	1	1	392	0	0
27	0	0	0	357	0	12	3	0	2	4	1	0	2	0	6	0	1592	0	0	0	1	1
10	0	0	0	2	0	5	3	9	2	3	3	13	2	1	17	0	50	992	0	0	12	9
0	0	2	124	0	0	0	0	0	0	0	0	1	6	0	1	0	3	2	618	0	0	0
4	123	43	24	10	0	0	2	0	2	7	1	129	74	20	16	0	60	13	21	2673	1	2
0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	8	1	0	0	211	1
8	0	0	0	2	0	0	1	1	4	0	0	0	1	1	3	0	4	0	0	0	0	230

0.8366659879684448

Kernel: (16, 2), RMSprop, categorical_crossentropy

4146	0	1	0	2	0	0	7	0	0	2	6	4	0	4	2	0	5	1	0	0	0	1
0	1358	0	0	0	1	3	0	1	2	0	603	24	0	3	2	0	1	3	0	0	0	0
0	3	615	0	0	0	0	1	2	0	0	0	1	0	2	9	0	8	1	1	0	0	0
0	0	0	112	0	0	0	0	0	0	0	0	3	0	1	1	1	1	1	939	7	0	0
20	0	1	0	2080	0	4	4	0	1	1	0	5	0	10	3	0	10	0	0	0	0	1
0	0	0	1	0	1150	0	0	0	0	0	0	6	0	0	0	1	1	0	0	0	13	0
39	0	0	0	5	0	5681	9	731	5	0	1	52	0	14	27	1	2	3	0	0	0	5
31	0	2	0	7	0	13	3298	1	1	0	0	2	1	1	9	0	7	0	0	0	2	2
7	0	0	0	2	0	2278	8	2255	3	1	7	140	0	10	10	3	4	3	0	1	1	4
18	0	0	0	3	0	2	3	2	901	0	1	11	4	4	2	0	4	0	0	0	0	22
7	0	1	0	2	0	4	5	1	1	998	0	3	0	4	1	0	7	1	0	2	0	0
1175	0	0	1	2	0	18	5	1	0	1	1810	24	0	7	9	0	4	1	0	0	0	1
12	7	2	1	7	0	7	1	15	2	1	1	2772	2	8	18	0	38	5	1	0	2	8
0	1	0	0	2	0	1	0	0	2	0	0	68	614	1	0	0	8	1	3	5	0	1
2	0	0	0	0	0	1	3	0	0	0	0	1	0	1088	1	14	5	0	0	0	0	0
55	1	1	0	11	0	30	19	4	6	2	2	27	0	14	6231	0	30	0	0	1	0	1
0	0	0	1	0	0	2	0	0	0	0	0	3	0	3	2	2577	1	0	0	237	0	0
28	0	0	0	176	0	15	6	0	5	2	1	6	1	0	7	0	1757	1	0	0	1	2
11	0	0	0	2	0	7	7	6	2	1	3	32	1	4	11	1	24	1005	0	3	8	5
0	0	1	31	0	0	0	0	0	0	0	0	4	3	0	1	2	2	1	710	1	0	1
2	139	1	2	1	0	0	0	0	2	0	0	197	9	40	5	0	7	5	8	2800	4	3
0	0	0	0	0	0	1	0	0	0	0	0	13	0	4	0	0	8	25	0	0	174	0
8	0	0	0	1	0	0	0	1	11	0	0	1	1	1	4	0	0	0	0	0	0	227

0.8439527153968811

Kernel: (16, 2), Adadelta, cosine_proximity

4140	0	1	0	7	0	1	6	0	0	2	14	1	0	1	3	0	3	1	0	0	0	1	
0	1551	1	0	0	0	1	0	0	1	0	446	0	0	0	0	0	0	1	0	0	0	0	
0	3	628	0	0	0	0	1	3	0	0	0	0	0	0	2	0	4	1	0	0	0	1	
0	0	0	568	0	0	0	1	0	0	0	0	1	1	0	0	0	5	1	476	13	0	0	
17	1	1	0	2104	0	1	1	0	1	1	0	0	0	0	0	0	12	0	0	0	0	1	
0	0	1	1	0	1149	0	0	0	0	1	0	3	0	0	0	1	1	0	0	0	15	0	
36	0	0	0	6	0	4005	18	2444	7	3	7	11	0	7	18	1	3	1	0	1	1	6	
32	0	1	0	10	0	7	3308	0	0	0	0	0	1	1	11	0	4	1	0	0	1	0	
7	0	0	0	2	0	786	11	3857	3	7	13	17	4	2	9	0	5	1	0	6	0	7	
14	0	0	0	4	0	1	5	1	907	1	2	0	6	0	1	0	1	0	0	0	0	34	
6	0	1	0	3	0	6	2	2	1	1004	0	1	1	1	2	0	4	1	0	2	0	0	
	938	0	1	1	2	0	6	3	2	0	1	2091	2	0	2	4	0	5	0	0	0	0	1
6	7	6	3	6	0	7	3	49	3	6	1	2646	7	5	27	0	103	2	1	6	4	12	
0	1	0	0	0	0	1	0	0	1	0	0	2	691	1	0	0	8	0	0	0	0	2	
5	0	0	0	7	0	2	5	0	3	0	0	1	0	1077	1	3	8	0	0	3	0	0	
59	0	1	0	16	0	29	35	8	10	7	7	5	1	8	6180	0	59	0	1	3	0	6	
0	0	0	5	0	0	2	0	0	0	0	0	0	0	1	1	2064	3	0	0	750	0	0	
26	0	0	0	182	0	15	9	0	2	3	1	0	1	0	5	0	1761	0	0	0	2	1	
8	0	1	0	2	0	5	14	10	2	2	4	16	4	1	21	0	53	956	0	5	17	12	
0	0	1	212	0	0	0	0	0	0	0	0	1	7	0	1	0	7	2	518	7	0	1	
1	85	11	3	0	0	0	5	1	2	1	0	15	21	4	4	0	13	3	3	3050	0	3	
0	0	1	0	1	0	0	1	1	0	0	0	0	0	1	1	0	7	2	0	0	208	2	
8	0	0	0	1	0	0	3	1	8	0	0	0	1	1	3	0	5	0	0	0	0	224	

0.8501930832862854

Kernel: (16, 2), Adam, categorical_hinge

4149	0	0	0	4	0	13	1	0	0	2	5	1	0	1	0	0	2	3	0	0	0	0
0	1449	0	0	0	0	3	0	0	0	1	548	0	0	0	0	0	0	0	0	0	0	0
0	3	571	3	0	0	1	1	19	1	4	0	0	0	7	5	0	18	10	0	0	0	0
0	0	0	465	0	0	0	1	0	0	1	0	1	1	0	0	3	3	2	576	13	0	0
23	1	1	0	2073	0	15	1	0	4	3	0	0	0	0	0	0	19	0	0	0	0	0
0	0	0	1	0	1158	0	0	0	0	0	0	1	0	0	0	2	2	8	0	0	0	0
35	0	0	0	2	0	5678	8	825	5	4	4	7	0	3	0	1	1	2	0	0	0	0
39	0	1	0	11	0	30	3268	1	6	2	0	0	2	1	7	0	5	4	0	0	0	0
8	0	0	0	3	0	2267	8	2392	4	6	11	24	3	1	0	2	3	2	0	3	0	0
16	0	0	0	4	0	4	2	1	945	1	2	0	1	0	0	0	1	0	0	0	0	0
6	0	1	0	1	0	13	0	0	0	1009	0	0	0	1	1	0	2	1	0	2	0	0
1363	0	0	1	2	0	17	0	0	0	1	1664	3	0	2	0	0	4	2	0	0	0	0
7	7	2	3	4	0	26	1	42	3	12	0	2703	6	2	8	1	72	7	1	3	0	0
0	1	0	0	0	0	1	0	0	3	3	0	3	690	1	0	0	4	1	0	0	0	0
6	0	0	0	6	0	13	3	3	2	2	0	1	0	1048	1	22	6	1	0	1	0	0
80	0	1	0	16	2	47	41	22	14	26	3	32	4	8	5984	2	139	12	1	1	0	0
0	0	0	2	0	0	2	0	0	0	2	0	0	0	0	1	2563	1	2	0	253	0	0
29	0	0	0	95	0	25	7	0	4	5	0	2	1	0	4	0	1834	2	0	0	0	0
9	0	0	0	2	0	8	3	5	5	1	4	15	1	2	4	1	40	1030	0	3	0	0
0	0	1	172	0	1	0	0	0	0	0	0	2	8	0	1	3	5	2	556	6	0	0
2	60	1	3	0	3	0	5	2	3	3	0	35	31	7	3	0	14	6	3	3044	0	0
0	0	0	0	0	8	0	3	1	2	0	0	7	0	3	1	3	61	136	0	0	0	0
15	0	0	0	3	0	4	8	1	150	0	0	3	1	1	3	1	60	4	0	1	0	0

0.8423165678977966

Kernel: (16, 2), Adamax, cosine_proximity

4155	0	0	0	6	0	0	4	0	0	2	8	1	0	0	0	0	4	0	0	0	0	1
0	1293	0	0	1	0	1	0	0	2	1	701	0	0	1	0	0	1	0	0	0	0	0
0	3	613	0	0	0	0	1	4	0	0	0	0	0	0	7	0	12	1	1	0	0	1
0	0	0	95	0	0	0	0	0	0	0	0	1	0	0	0	0	3	1	963	3	0	0
16	0	1	0	2102	0	1	1	0	4	1	0	0	0	0	0	0	12	0	0	0	1	1
0	0	0	1	0	1157	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	12	0
44	0	0	0	7	0	4549	18	1889	11	7	6	5	0	9	19	0	4	1	0	0	1	5
33	0	1	0	10	0	4	3309	0	0	0	0	0	1	1	10	0	4	1	0	0	1	2
7	0	0	0	2	0	939	13	3702	7	6	14	9	1	5	9	2	9	2	0	2	3	5
14	0	0	0	3	0	1	3	0	944	0	2	0	0	0	0	0	1	0	0	0	0	9
6	0	1	0	3	0	3	2	0	1	1011	0	1	0	1	1	0	5	1	0	1	0	0
1137	1	0	0	2	0	4	3	1	0	1	1897	0	0	3	2	0	6	1	0	0	0	1
7	7	2	1	5	0	7	3	57	13	10	0	2589	3	14	25	1	129	8	0	1	4	24
0	1	0	0	1	0	1	0	0	9	0	0	5	673	1	0	0	14	0	1	0	0	1
4	0	0	0	5	0	2	4	0	3	0	0	0	0	1083	1	6	6	0	0	0	0	1
64	0	1	0	16	0	31	32	11	13	7	5	6	1	15	6127	0	93	0	0	2	0	11
0	0	0	2	0	0	2	0	0	0	0	0	0	0	3	2	2527	2	0	0	288	0	0
25	0	0	0	172	0	15	7	0	5	3	1	0	0	0	1	0	1776	0	0	0	2	1
8	0	0	0	2	0	7	10	6	7	2	4	13	0	2	10	0	67	949	0	1	36	9
0	0	1	20	0	0	0	0	0	0	0	0	1	6	0	1	2	4	2	718	1	0	1
5	57	4	2	1	0	0	6	1	3	1	0	53	26	26	8	1	34	5	18	2971	1	2
0	0	0	0	0	0	1	1	0	0	0	0	1	0	2	0	0	4	2	0	0	214	0
7	0	0	0	1	0	0	2	0	11	0	0	0	1	1	2	0	2	0	0	0	0	228

0.8500979542732239

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

4153	0	0	0	7	0	1	3	0	0	2	4	1	0	0	1	0	4	4	0	0	0	1
0	1395	0	0	1	0	1	0	1	2	1	595	1	0	0	1	0	1	1	0	0	1	0
0	3	592	0	0	0	0	1	1	0	0	0	0	0	0	26	0	18	1	0	0	0	1
0	0	0	119	0	0	0	0	0	0	0	0	1	0	0	1	0	3	1	936	5	0	0
17	0	0	0	2109	0	2	0	0	0	1	0	0	0	0	0	0	10	0	0	0	0	1
1	0	0	1	0	1122	0	0	0	0	0	0	8	0	0	1	1	4	1	1	1	27	4
40	0	0	0	7	0	4468	10	1999	5	1	3	3	0	8	27	0	2	0	0	0	0	2
31	0	0	0	17	0	12	3287	3	2	0	0	0	1	0	12	0	7	2	0	0	0	3
10	0	0	0	2	0	1097	10	3576	3	1	8	8	0	1	14	0	4	0	0	2	0	1
17	0	0	0	3	0	0	1	3	893	0	1	1	7	1	3	0	7	1	0	0	0	39
6	0	0	0	4	0	6	2	2	1	1005	0	0	0	1	2	0	5	1	0	2	0	0
1544	0	0	0	2	0	6	1	2	0	0	1496	0	0	2	0	0	5	0	0	0	0	1
6	7	1	0	9	0	7	2	70	0	4	0	2620	4	2	63	0	96	6	0	4	2	7
0	1	0	0	2	0	1	0	0	2	0	0	7	679	1	1	0	11	0	0	1	0	1
5	0	0	2	8	0	2	4	2	0	1	0	4	0	1056	8	4	14	0	0	5	0	0
60	0	0	1	22	0	27	24	7	3	4	3	4	1	6	6202	0	68	0	0	1	0	2
0	0	0	4	0	0	2	0	0	0	0	0	1	0	1	2	1736	3	0	0	1077	0	0
24	0	0	0	288	0	17	4	0	1	3	1	0	1	0	4	0	1662	0	0	0	2	1
11	0	0	0	2	0	8	4	10	2	2	1	17	1	1	21	0	58	956	0	3	29	7
0	0	1	31	0	0	0	0	0	0	0	0	1	5	0	1	0	3	1	712	2	0	0
1	68	1	2	15	0	0	3	1	1	0	0	36	27	7	12	0	24	5	11	3008	0	3
0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	11	1	0	0	209	0
7	0	0	0	2	0	1	2	1	5	0	0	0	1	1	4	0	8	0	0	0	0	223

0.8233861327171326

Kernel: (16, 2), Nadam, categorical_hinge

4133	0	1	0	4	0	20	9	0	0	1	8	0	0	0	1	0	1	2	0	0	0	1	
0	1101	16	0	0	0	3	0	0	2	0	879	0	0	0	0	0	0	0	0	0	0	0	
4	3	591	3	0	0	0	26	7	0	0	1	0	0	1	1	0	1	4	0	0	0	1	
0	0	15	591	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	449	8	0	0	
22	1	2	0	2047	0	16	19	0	1	2	0	1	0	0	2	0	26	0	0	0	0	1	
0	0	1	1	0	1158	0	1	0	0	0	0	0	0	0	0	1	0	8	0	0	0	2	
33	0	1	0	2	0	4240	18	2265	2	0	3	1	0	2	3	1	1	1	0	0	0	2	
27	0	1	0	5	0	17	3316	1	0	0	0	0	1	0	6	0	1	1	0	0	0	1	
12	0	1	0	2	0	1164	16	3517	3	0	12	3	0	1	2	1	0	0	0	2	0	1	
17	0	0	0	4	0	5	18	0	872	0	1	0	1	0	0	0	0	0	0	0	0	59	
9	0	3	0	1	0	15	14	0	0	987	0	1	0	1	1	0	3	1	0	1	0	0	
1534	0	3	0	2	0	14	3	1	0	0	1499	0	0	0	2	0	0	1	0	0	0	0	
13	6	16	5	4	0	31	16	259	0	5	2	2450	5	1	20	1	34	10	1	6	0	25	
0	1	1	0	0	0	1	3	0	2	3	0	2	683	0	0	0	3	1	1	4	0	2	
12	0	13	5	7	0	18	26	6	1	6	0	0	0	948	3	51	9	1	1	7	0	1	
	103	0	22	5	12	0	38	123	26	11	8	4	8	1	6	5983	0	49	3	3	3	0	27
1	0	0	5	0	0	2	4	1	0	1	0	0	0	0	1	2243	1	1	0	565	0	1	
35	0	3	0	156	0	27	44	1	2	4	1	1	2	0	6	0	1717	3	0	0	0	6	
10	0	1	1	1	0	5	37	16	3	1	4	9	0	0	5	0	20	1004	0	2	0	14	
0	0	14	297	0	0	0	0	8	0	0	0	1	3	0	1	1	3	2	419	7	0	1	
2	47	32	8	0	0	0	24	8	0	1	5	7	28	5	4	0	5	14	1	3032	0	2	
8	0	0	0	0	9	1	37	1	1	0	0	4	0	2	2	1	22	136	0	1	0	0	
9	0	0	0	1	0	4	19	0	7	0	0	0	1	1	2	0	1	0	0	0	0	210	

0.8131694793701172

Kernel: (16,2), Nadam, logcosh

4140	0	0	0	2	0	5	15	0	1	1	6	1	0	1	4	0	1	3	0	0	0	1
0	1050	0	0	0	1	2	4	5	2	1	931	1	0	0	2	0	1	1	0	0	0	0
0	3	609	0	0	0	0	1	4	0	2	0	1	0	0	17	0	5	1	0	0	0	0
0	0	0	43	0	0	0	0	3	0	1	0	4	0	0	1	0	2	1	1005	6	0	0
22	0	2	0	1993	0	9	33	0	5	1	1	5	0	0	11	0	57	0	0	0	1	0
0	0	0	0	0	1157	0	1	0	0	0	0	2	0	0	0	0	0	2	0	0	10	0
33	0	0	0	4	0	5008	19	1479	5	7	6	1	0	4	5	1	1	1	0	0	0	1
24	0	1	0	4	0	3	3333	1	0	0	0	0	1	0	8	0	1	1	0	0	0	0
5	0	0	0	1	0	1473	13	3215	2	4	13	5	0	1	3	0	1	1	0	0	0	0
15	0	0	0	3	0	4	8	1	936	1	1	2	1	0	1	0	0	1	0	0	0	3
6	0	0	0	1	0	9	15	1	1	996	0	2	0	0	1	0	2	1	0	2	0	0
1307	0	0	0	2	0	15	5	1	0	0	1722	0	0	1	4	0	0	1	0	0	0	1
4	7	2	0	2	0	11	14	103	1	28	1	2644	2	2	32	0	40	12	1	0	1	3
0	0	0	0	0	0	1	1	0	4	11	0	13	668	0	1	0	3	1	2	2	0	0
6	0	0	0	6	0	9	11	2	3	0	0	10	0	997	5	60	4	1	0	1	0	0
54	0	1	0	9	0	35	54	18	11	4	3	11	1	5	6204	0	22	1	0	1	0	1
0	0	0	1	0	0	2	0	0	0	2	0	1	0	1	2	2542	0	0	0	275	0	0
29	0	0	0	40	0	24	49	1	10	3	1	9	2	0	15	0	1822	2	0	0	1	0
11	0	0	0	1	0	10	56	13	4	2	1	16	1	0	19	0	14	979	0	0	5	1
0	0	1	18	0	0	0	1	0	0	0	0	5	3	0	1	2	5	2	716	3	0	0
1	23	4	0	0	1	0	22	46	3	23	0	107	18	5	14	0	21	7	11	2919	0	0
0	0	0	0	0	0	1	9	1	0	0	0	4	0	1	3	0	1	19	0	0	186	0
8	0	0	0	0	0	3	20	1	46	0	0	1	0	1	8	0	3	0	0	0	0	164

0.8379406929016113

ARat_2016_07_18__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

2328	0	0	1	3	3	0	1	0	0	2	3	1	0	2	0	0	0	2	0	2	0	0	4	1	0	2	1	0	1	0	0	0	0	1	4	0	0	2	1	1	0	1	1	1	0
24	15228	18	86	147	66	16	47	12	3	134	23	155	8	22	42	1	739	170	163	32	19	29	26	57	120	13	50	57	88	207	17	0	7	92	1	2	1	61	3	83	13	19	2	5	15
8	4	2186	2	7	2	3	2	0	1	15	2	12	0	6	5	0	2	19	12	2	0	2	5	3	1	1	3	3	9	2	4	0	0	14	0	0	1	4	1	2	0	2	1	1	2
61	38	10	6353	84	95	8	10	15	3	57	28	284	31	13	34	3	92	164	131	49	16	54	21	27	132	17	19	24	104	18	6	0	9	95	12	0	3	453	3	75	36	6	0	7	18
256	42	21	83	15219	121	14	38	18	5	75	66	293	33	34	82	9	119	229	302	68	22	52	51	33	159	48	47	35	141	18	11	4	2	70	35	4	19	42	5	136	53	22	6	26	34
11	7	5	7	10	3097	1	17	2	4	19	11	17	3	10	11	1	16	24	13	7	9	3	5	11	17	3	6	4	29	7	12	0	0	9	1	2	0	6	1	5	6	1	0	3	6
3	4	2	15	48	8	5911	12	3	5	13	4	65	1	8	12	0	17	37	59	6	32	2	6	6	25	1	11	20	33	1	3	0	8	17	0	15	1	10	2	17	3	2	1	2	2
4	1	5	4	9	2	4	10562	3	6	11	9	16	0	6	10	1	4	23	4	6	0	0	5	99	23	1	10	1	9	1	10	0	3	8	4	0	0	5	0	5	0	0	1	3	11
2	1	0	1	5	3	2	3	3224	2	11	2	8	0	2	6	0	6	38	5	3	0	0	12	1	4707	5	7	1	24	3	4	0	4	1	1	1	6	4	0	8	4	1	2	1	2
2	0	1	0	0	3	2	5	1	1917	0	0	1	0	0	1	0	1	7	1	2	1	0	3	3	0	0	1	0	2	0	9	0	0	1	0	0	0	2	1	0	1	0	0	0	1
20	6	0	7	15	13	0	6	5	4	5739	6	19	0	4	5	0	23	197	6	6	2	2	6	7	32	2	8	5	15	4	12	0	0	15	1	0	1	14	0	11	0	1	0	0	4
10	4	3	4	14	6	0	1	1	0	6	2756	116	2	8	12	1	4	28	2	3	1	0	32	2	5	2	4	0	10	0	2	0	1	2	5	1	1	5	0	2	6	2	0	3	4
57	8	2	26	65	29	4	7	12	1	23	119	6634	6	18	32	3	24	85	16	1	3	5	2038	14	44	13	15	6	60	4	7	1	2	18	9	0	0	21	0	12	6	6	4	5	10
78	6	2	5	58	18	0	6	0	2	11	10	61	2348	3	5	1	10	23	40	6	3	5	9	7	26	2	5	5	30	3	3	0	1	21	5	1	3	8	1	29	5	7	3	3	11
4	0	0	0	0	2	0	2	0	2	6	2	12	1	4332	4	1	2	3	1	1	0	1	4	6	10	0	0	1	1	1	2	0	0	3	1	0	0	4	0	3	3	1	2	1	0
37	6	4	7	24	29	2	6	12	1	14	18	44	1	18	10725	1	15	39	11	4	2	2	8	7	23	8	13	3	27	4	8	0	0	36	4	0	1	7	1	12	6	3	4	48	12
4	1	0	1	9	2	1	0	2	0	1	4	9	0	12	4	409	4	7	2	1	0	2	4	1	6	3	0	0	5	0	0	22	5	4	1	0	0	0	0	0	5	1	2	0	1
42	35	14	91	204	82	25	36	14	18	73	34	276	25	18	51	4	13235	166	240	43	35	18	24	36	151	15	35	50	101	117	26	0	6	118	11	7	2	49	4	152	18	13	3	7	25
54	4	3	25	85	32	4	23	30	9	124	21	45	6	21	53	1	17	13594	34	20	6	15	34	11	48	9	15	10	65	6	18	0	3	48	10	0	2	19	1	32	11	6	1	10	14
60	30	23	66	163	50	9	32	28	6	40	36	94	0	27	68	4	72	130	11406	31	10	11	31	25	57	14	17	28	162	37	11	5	4	89	13	1	15	34	1	36	42	14	4	3	25
39	11	3	9	48	28	3	8	5	2	22	4	14	7	7	35	0	28	45	26	6578	4	4	1	5	41	5	19	3	27	0	4	0	2	106	9	0	5	10	2	18	6	1	3	1	3
12	9	3	25	28	499	18	17	3	36	29	8	149	1	18	24	4	26	120	113	15	6128	5	13	12	50	4	42	88	56	4	8	0	5	32	0	1	1	20	0	49	3	2	0	4	6
22	10	1	67	65	57	6	3	4	6	21	9	102	20	5	16	2	46	77	91	20	2	1657	11	16	47	3	7	22	43	8	5	1	1	49	1	1	1	25	1	35	24	5	1	2	5
3	0	0	3	8	4	0	7	2	0	6	9	1137	0	1	5	0	3	13	1	0	1	0	2628	1	14	0	2	1	4	1	0	0	5	0	4	0	0	1	0	6	1	0	0	0	6
8	7	4	7	22	17	10	20	2	18	20	5	17	0	4	12	0	32	29	15	12	0	13	6	4559	20	4	5	8	28	1	7	0	2	19	2	0	0	8	1	7	4	2	4	4	8
52	4	0	15	52	40	2	13	2309	2	29	24	35	2	16	30	0	7	81	22	12	1	0	21	13	6812	7	20	4	49	5	5	0	2	4	6	0	2	20	0	21	7	3	0	3	7
48	12	3	18	68	46	3	7	6	0	2	2	42	7	11	51	0	25	2	23	25	2	12	3	8	26	4145	10	7	41	8	2	1	6	54	14	1	22	10	1	67	13	4	8	3	14
15	2	2	2	7	168	0	30	0	15	13	12	59	0	13	24	0	1	79	13	6	58	1	9	2	28	1	10067	27	6	0	14	0	6	2	0	0	0	1	0	27	1	3	1	1	4
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41	95	5	127	404	46	26	26	8	8	28	14	251	25	11	32	3	932	217	238	15	10	53	20	16	75	5	14	62	96	4042	2	2	8	128	4	0	11	16	4	106	22	12	1	9	15
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28	42	17	144	328	26	26	30	41	6	20	16	20	156	29	42	19	135	76	44	41	34	48	63	12	7	14	44	50	312	126	2	2	73	43	33	4	19	33	3	39	12326	6	7	4	27
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8	4	0	4	18	12	0	11	4	3	9	19	29	1	6	14	0	11	64	17	3	0	1	9	0	33	0	8	4	12	0	2	0	3	4	3	0	1	4	2	34	3	0	0	1	9308

0.8400025613091918

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

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29	47	11	5803	67	225	12	12	9	4	62	11	137	6	18	35	4	112	82	353	62	26	59	2	78	111	19	30	123	127	32	6	0	6	140	12	0	4	687	4	91	15	18	1	6	20
125	58	26	84	14544	293	16	42	7	6	93	18	201	6	40	82	14	192	143	704	92	38	32	4	59	127	69	62	177	177	36	10	5	0	143	33	6	30	48	6	159	27	87	9	33	39
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0.8383100105515909

Kernel: (4, 2), Adamax, cosine_proximity

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35	97	8	6524	116	67	6	12	19	3	55	24	55	32	10	33	3	178	80	83	51	16	135	6	44	119	22	26	47	93	8	7	0	7	100	12	2	11	471	3	42	18	11	0	6	21
117	115	18	84	15678	82	10	42	20	5	83	50	63	39	24	85	8	230	104	197	62	29	83	21	43	138	70	69	79	122	9	10	3	1	71	35	4	66	41	4	69	21	26	8	21	43
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1	25	2	22	56	10	5817	17	2	5	13	4	23	1	7	15	0	45	22	48	6	53	14	4	23	26	1	12	44	38	1	8	0	8	22	0	16	4	12	2	12	3	3	1	2	3
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47	100	23	138	298	61	11	31	35	4	67	31	30	0	23	71	9	227	86	10834	36	16	32	8	41	73	28	28	79	181	25	12	2	3	118	13	3	41	72	0	31	33	17	5	5	36
26	26	4	12	64	23	2	10	4	1	27	3	4	7	7	31	0	42	15	16	6584	4	12	0	7	39	17	28	17	23	0	4	0	2	77	10	0	12	14	3	5	6	4	3	2	4
7	33	3	33	22	393	10	16	2	15	23	6	34	0	16	24	1	40	55	87	13	6185	11	6	18	47	5	115	306	43	3	11	0	5	32	0	1	4	20	1	28	0	4	0	4	8
11	26	1	65	66	25	6	4	5	4	21	4	26	16	4	16	1	63	27	58	18	2	1841	5	32	37	5	9	36	37	5	5	1	1	52	1	1	12	26	3	17	11	9	1	1	6
7	11	1	25	40	7	3	11	6	3	11	67	1719	1	1	12	1	26	24	12	0	2	1	1764	7	21	1	11	8	12	0	2	0	5	8	4	0	1	3	0	15	5	1	1	0	17
6	16	3	5	17	13	5	14	3	10	20	4	1	1	4	14	0	42	10	6	12	1	9	1	4651	12	6	9	7	18	0	6	0	1	10	3	0	3	8	1	4	0	2	5	2	8
43	17	0	17	76	29	1	16	2367	3	39	20	5	7	13	34	0	22	53	8	10	6	1	8	20	6742	15	32	8	45	2	4	0	1	4	11	1	6	24	0	14	6	2	1	10	16
23	24	5	13	42	19	1	7	2	0	2	1	8	6	3	37	0	35	1	4	16	3	10	0	6	16	4435	13	6	18	1	1	1	6	19	12	0	34	5	1	16	5	3	7	2	14
5	5	0	0	1	27	0	20	0	6	4	5	4	0	4	15	0	1	14	0	0	13	1	1	4	13	1	10552	7	2	0	4	0	6	0	1	0	0	0	0	3	0	0	0	0	1
28	89	15	27	83	102	4	36	6	6	47	31	62	7	19	63	0	74	78	81	17	34	16	5	56	89	17	167	8183	98	14	11	1	6	46	6	1	13	38	2	36	1	8	5	8	22
67	115	10	125	400	31	25	59	20	33	32	48	145	26	40	146	3	548	258	282	90	95	71	20	127	303	57	144	128	39646	15	21	1	22	152	18	6	14	77	6	132	11	32	19	24	67
26	511	4	118	349	33	23	24	9	4	31	18	41	24	7	31	3	2166	87	137	20	12	137	13	30	64	13	21	90	60	2884	3	0	11	123	7	1	31	13	8	43	3	24	1	7	20
0	0	0	1	2	2	0	4	7	1	17	0	0	0	2	2	0	3	4	0	2	1	0	0	2	2	1	5	0	1	0	1656	0	0	0	0	1	0	1	0	0	0	0	0	0	0
0	5	0	6	3	0	2	0	1	0	0	0	0	2	3	0	303	9	4	1	1	0	1	2	0	0	0	2	3	4	1	0	67	0	11	3	0	1	0	0	0	5	0	1	0	1
0	12	1	2	5	0	2	4	3	0	0	0	0	1	5	8	4	27	4	0	12	2	1	1	1	5	6	6	2	16	1	1	0	2163	0	4	0	5	0	2	1899	3	1	6	1	5
39	61	7	67	181	67	15	17	10	2	76	18	52	23	7	66	1	146	61	101	118	16	54	13	42	84	31	42	60	80	13	15	0	5	9691	6	1	11	74	5	21	4	16	1	2	16
60	8	2	10	55	22	0	9	11	0	10	18	0	61	5	30	1	24	36	5	7	5	10	3	2	21	11	11	16	27	0	4	0	1	9	4390	0	5	7	1	3	5	0	2	7	9
0	1	0	1	1	0	9	2	2	1	2	0	0	0	0	0	0	4	2	2	1	6	1	0	2	5	1	3	1	3	0	2	0	0	0	0	781	0	0	1	1	0	0	0	0	0
20	12	4	27	187	9	3	7	1	2	30	3	11	26	1	11	0	61	27	74	9	4	47	1	7	34	22	2	27	26	2	4	0	3	49	5	3	1320	9	2	12	8	93	2	5	7
9	26	7	366	22	19	0	16	5	3	9	4	6	10	11	15	0	34	12	11	18	6	9	3	10	17	3	24	9	19	1	7	0	7	13	2	1	2	6831	0	8	2	2	5	1	6
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36	61	3	72	131	45	6	15	30	2	35	39	19	36	12	46	7	226	19	22	48	13	26	3	25	27	21	32	56	78	35	3	0	538	16	15	2	24	17	0	4875	48	9	4	10	14
11	116	23	319	545	28	32	28	50	4	28	17	4	243	27	49	22	340	56	50	60	34	215	46	18	10	47	52	128	335	120	1	3	71	72	38	4	100	35	4	18	11141	15	7	6	45
5	7	1	3	15	5	0	0	3	0	6	5	2	1	4	4	0	9	8	4	2	1	4	1	1	5	2	3	4	6	1	1	0	0	3	0	0	27	8	0	1	1	654	1	5	2
2	2	5	1	10	0	0	0	0	1	9	6	2	0	1	4	0	1	2	1	0	0	0	0	4	0	0	5	2	3	0	1	0	0	7	2	0	2	0	0	0	0	1	1376	0	5
3	1	0	1	9	0	0	2	1	0	2	12	0	0	0	25	0	2	4	1	0	0	1	0	1	2	2	3	0	2	0	1	0	0	3	0	0	1	1	0	1	0	10	1	1405	2
4	14	0	1	7	6	0	12	1	2	2	7	1	1	3	10	0	11	27	1	2	0	0	1	0	18	2	17	4	5	0	2	0	3	5	2	0	1	4	1	12	2	0	0	1	9477

0.8412027946401078

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

2221	1	0	1	21	6	2	2	1	0	2	4	4	1	2	14	0	3	6	8	5	1	3	2	2	2	10	1	2	9	1	0	0	0	4	6	0	1	2	1	8	4	1	2	3	0	0
8	16088	23	25	127	62	17	36	9	2	84	9	67	2	12	50	0	334	90	162	30	19	87	13	69	87	19	43	84	80	86	15	0	6	99	1	5	1	15	3	87	8	37	3	9	10	0
6	3	2244	0	4	1	5	1	0	1	8	1	7	0	3	4	0	2	8	7	1	0	4	1	2	0	1	4	3	6	2	4	0	0	7	0	0	1	1	1	1	0	1	1	4	1	0
23	62	20	5331	161	211	47	14	7	5	76	8	180	16	13	65	3	116	121	399	52	26	412	9	59	129	27	19	100	155	30	6	0	7	240	15	3	8	129	12	283	59	28	0	11	21	0
79	51	28	31	15477	132	33	35	5	3	68	18	141	8	22	123	6	98	152	419	51	23	85	15	35	110	70	47	68	168	10	9	1	1	104	31	8	23	16	7	218	30	62	9	41	30	1
6	10	8	4	18	3120	1	14	0	3	15	4	10	0	10	14	1	12	14	17	5	15	7	0	9	14	4	7	10	31	4	8	0	0	11	1	4	0	1	1	8	5	2	0	5	6	0
0	5	2	2	22	17	6088	9	0	4	11	0	19	0	4	12	0	10	17	46	5	30	10	3	4	14	1	10	19	25	0	2	0	8	11	0	16	1	3	2	11	0	4	3	2	1	0
2	2	11	0	11	4	25	10257	1	5	9	5	7	0	5	16	0	5	16	8	8	0	3	1	369	24	4	12	4	15	0	11	0	3	8	2	0	1	4	1	10	0	3	1	4	12	0
2	3	0	1	10	6	10	5	2442	2	16	2	7	0	4	19	0	10	46	14	2	6	0	8	5	5357	6	8	7	52	5	4	0	5	1	2	14	4	3	0	17	5	4	2	1	6	0
1	0	1	0	0	5	12	5	0	1878	0	0	2	0	0	2	0	2	4	7	3	2	1	2	8	0	0	3	0	6	0	12	0	0	5	0	0	0	0	1	2	1	0	3	0	1	0
12	5	1	5	22	30	2	7	1	3	5788	1	11	0	2	10	0	29	122	14	5	2	11	2	9	20	5	10	11	18	5	7	0	0	16	1	2	1	10	1	13	0	1	0	4	4	0
8	5	6	7	34	17	3	4	1	0	14	2384	297	4	9	22	1	7	36	22	4	2	4	25	4	8	9	6	8	28	3	1	0	2	9	10	2	1	4	2	19	6	4	1	23	5	0
35	14	9	25	134	47	13	7	3	1	39	40	7858	7	14	53	4	36	85	85	2	5	50	415	23	63	24	26	37	114	9	7	3	2	52	9	1	1	11	3	44	15	19	6	11	14	0
33	7	6	7	112	24	10	6	0	1	13	4	45	2193	4	20	0	11	23	69	6	3	18	4	6	21	8	4	20	42	1	2	1	1	29	10	1	4	3	1	68	4	18	3	9	14	0
3	1	5	0	7	6	1	2	0	2	11	2	17	0	4272	5	2	3	3	5	2	1	4	1	8	13	0	3	5	7	0	1	0	0	4	1	0	0	2	0	8	5	2	4	1	0	0
7	3	1	1	8	14	2	5	3	0	7	3	13	0	15	11005	1	6	18	7	3	2	0	1	4	9	8	8	2	9	0	4	0	0	17	1	0	0	1	0	7	3	2	4	50	3	0
2	1	0	1	16	3	2	1	2	0	1	2	4	0	3	10	372	2	9	12	1	0	13	0	2	8	4	0	3	6	0	0	18	5	14	1	0	0	0	0	1	5	3	4	3	1	0
19	75	22	52	265	114	64	28	6	12	88	16	172	18	16	73	2	12587	115	466	44	42	127	7	52	105	16	36	96	175	144	24	0	4	203	10	16	7	10	15	317	14	36	5	9	23	2
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3	9	4	9	19	556	31	11	1	12	24	2	42	0	13	29	1	14	56	112	12	6302	16	6	17	35	6	28	133	45	3	6	0	3	38	0	3	2	6	1	67	0	5	1	4	3	0
9	8	2	28	58	42	13	4	1	3	18	1	40	6	3	27	0	25	36	106	12	1	1886	3	12	27	4	7	30	37	7	4	0	1	56	1	3	0	7	2	51	16	15	1	5	5	0
2	1	1	3	18	4	1	9	2	1	10	6	2436	0	1	11	0	5	17	4	0	2	0	1266	3	14	1	6	3	6	1	0	0	1	3	4	0	0	1	0	20	3	2	0	0	9	0
4	6	4	4	13	24	14	17	1	8	17	3	4	0	4	19	0	23	17	11	11	0	26	3	4639	8	4	4	8	25	0	4	0	1	14	2	0	0	1	1	9	0	2	5	6	7	0
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16	7	6	4	42	16	8	3	1	0	2	0	16	1	3	64	0	6	2	12	10	1	10	1	6	10	4447	9	3	23	1	1	1	3	20	11	0	9	3	3	67	5	7	11	3	9	0
6	1	1	0	7	208	0	25	0	11	10	5	21	1	4	33	0	2	46	15	5	100	1	1	6	22	1	9975	145	7	0	7	0	6	2	0	0	0	0	0	32	0	4	2	3	5	0
16	22	17	13	85	174	25	25	1	9	34	12	111	6	15	75	0	26	94	167	17	62	38	2	42	72	20	85	8127	99	13	10	2	5	53	4	3	4	13	2	107	3	18	4	12	14	0
41	65	22	37	216	32	44	51	2	22	25	11	220	4	35	185	0	88	272	440	56	104	58	13	66	172	45	95	123	40442	23	15	1	20	180	12	14	6	23	8	286	5	41	19	27	45	0
10	145	10	42	391	58	70	20	5	5	30	4	97	10	8	53	2	578	129	400	15	18	303	9	22	54	15	11	121	142	3903	2	0	6	254	5	7	7	3	9	215	12	58	1	12	14	0
0	0	0	0	2	5	0	2	2	1	26	0	1	1	2	3	0	5	15	0	2	2	0	0	2	2	1	4	0	1	0	1622	0	0	2	1	11	0	1	0	0	0	1	0	0	0	0
0	4	0	5	3	0	3	0	0	0	0	0	1	1	3	0	290	2	4	3	2	1	6	3	0	0	0	1	5	5	1	0	63	0	23	3	0	2	0	0	0	6	0	1	0	1	0
0	4	2	0	1	0	2	2	1	0	0	0	0	0	2	10	3	4	3	2	7	0	1	1	1	1	2	4	2	14	0	1	0	1837	1	1	0	2	0	4	2296	0	3	6	0	1	0
13	22	10	26	125	71	29	16	4	1	60	5	78	5	8	102	0	49	74	176	74	21	62	10	25	75	22	30	49	86	11	9	0	5	9960	3	3	2	20	4	51	1	20	0	13	8	0
40	2	6	2	108	54	5	10	2	1	11	4	6	56	4	42	0	14	70	19	8	7	12	3	5	23	13	9	22	50	2	3	0	0	35	4143	1	5	3	0	79	6	2	5	25	6	0
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8	6	8	14	176	24	16	5	1	2	21	3	15	6	1	18	0	19	35	149	8	5	40	1	6	23	19	1	26	36	3	4	0	1	60	5	1	762	1	0	63	11	594	2	14	6	0
9	26	16	761	44	77	9	18	2	3	25	5	36	7	10	31	0	37	28	81	25	12	89	1	24	32	5	22	27	61	12	8	0	8	102	4	2	3	5847	2	39	12	15	5	4	5	0
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14	22	4	8	55	30	9	10	11	2	25	11	23	6	5	49	6	34	23	25	26	8	26	2	19	16	11	19	29	67	20	3	0	277	15	8	6	3	1	0	5825	16	9	5	10	8	0
9	59	30	73	447	31	71	29	29	2	25	8	15	88	23	63	14	120	65	71	40	40	279	47	14	4	36	44	113	348	85	2	2	69	79	26	8	21	20	5	75	11932	15	7	9	25	0
3	2	1	1	14	5	1	0	1	0	5	2	3	0	4	4	0	2	8	3	2	1	3	3	0	1	2	2	0	8	1	1	0	0	4	0	0	4	2	0	2	2	706	0	11	1	0
2	0	12	0	3	1	0	0	0	0	7	1	3	0	0	6	0	1	2	1	0	0	0	0	2	0	0	0	1	2	0	1	0	0	7	0	0	0	0	0	1	0	1	1397	1	3	0
3	0	0	0	2	2	0	0	0	0	1	3	0	0	0	15	0	0	2	0	0	0	0	0	0	2	1	1	0	1	0	1	0	0	2	0	0	0	0	0	2	0	4	1	1455	1	0
5	9	1	3	16	21	1	12	2	2	7	6	11	1	4	28	0	9	47	49	2	0	5	5	0	28	3	7	12	19	0	1	0	3	24	3	0	0	2	4	61	3	2	1	2	9248	0
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0.8392684427307852

Kernel: (16, 2), RMSprop, categorical_crossentropy

2079	3	1	9	39	15	1	2	0	0	7	10	12	8	4	15	1	18	14	14	9	1	5	4	2	11	8	1	6	14	1	0	0	0	7	13	0	2	7	0	8	8	2	2	3	3
6	17108	8	22	56	21	5	18	2	2	22	12	42	1	11	45	0	268	30	57	20	7	28	4	30	55	8	27	53	22	3	13	0	5	29	2	0	0	24	1	29	5	8	2	1	11
4	8	2230	1	7	2	1	1	0	1	0	1	9	1	5	5	0	4	5	9	1	0	3	1	4	2	2	3	11	5	1	4	0	0	5	0	0	0	3	1	1	0	2	1	4	3
9	82	11	6212	112	196	13	10	1	1	44	21	141	12	13	59	2	153	82	165	46	18	179	3	44	134	24	24	134	91	10	7	0	5	116	13	0	3	357	4	92	33	7	1	8	26
50	78	22	72	15654	167	12	32	2	3	48	39	172	18	28	116	8	176	110	281	52	11	119	8	30	135	61	48	119	101	8	10	4	0	81	32	2	19	27	6	120	26	30	8	23	34
1	17	5	6	20	3115	0	7	0	1	12	6	5	1	10	13	2	29	9	14	6	9	6	0	19	15	5	14	21	20	2	8	0	0	11	1	2	1	5	1	5	4	3	0	4	4
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2	28	9	10	22	18	8	10276	1	6	8	8	13	2	9	24	1	25	18	20	7	0	7	1	172	41	4	23	20	9	0	10	0	3	10	8	0	0	20	2	14	5	3	2	5	15
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6	28	2	13	36	38	2	6	1	3	5660	5	18	0	2	12	0	54	91	27	8	3	16	2	14	32	5	16	29	13	1	13	0	0	27	2	0	0	14	1	12	1	3	0	1	6
3	10	5	18	23	11	0	3	0	0	8	2702	112	4	9	21	1	13	10	6	2	3	10	10	2	6	7	4	10	12	1	2	0	0	5	7	1	0	5	0	6	5	3	1	5	5
16	34	6	95	144	70	8	7	2	1	23	152	7655	9	20	55	4	72	76	58	1	12	70	403	20	60	24	29	72	64	7	6	3	0	68	9	0	3	18	1	30	27	14	4	7	16
14	9	1	10	89	29	0	2	0	1	10	10	46	2331	4	11	0	23	20	41	5	3	31	1	2	25	5	5	34	27	1	1	1	0	16	15	1	0	4	2	26	2	6	3	6	16
0	3	1	0	4	1	1	1	0	2	4	3	6	0	4333	4	0	5	3	3	1	0	1	2	5	10	0	2	4	1	0	2	0	0	1	0	0	0	6	0	4	2	2	1	1	0
5	6	2	3	14	13	1	0	0	0	2	10	11	0	17	11011	1	11	11	2	2	2	4	1	8	16	11	10	5	6	0	7	0	0	14	2	0	1	4	2	5	4	3	6	16	8
1	1	0	2	15	9	1	0	0	0	0	3	5	0	10	9	362	5	9	7	1	0	13	0	2	8	2	0	2	4	0	0	41	4	6	1	0	0	0	0	2	3	0	5	1	1
6	154	12	49	173	77	19	24	3	3	48	26	134	17	19	66	0	13889	64	195	32	20	47	5	34	119	17	42	100	32	24	18	0	4	92	9	0	0	20	3	104	10	4	3	4	28
22	47	5	41	180	97	13	25	8	6	183	30	62	5	21	95	1	56	12708	112	31	15	107	17	34	109	16	38	111	77	12	29	1	0	132	9	0	5	28	3	41	13	14	2	13	25
26	61	23	57	186	63	8	25	7	3	30	20	61	1	21	79	2	96	60	11556	27	7	45	5	29	67	21	15	85	98	13	9	2	0	85	10	1	18	23	0	35	30	12	4	6	32
5	25	4	19	62	24	2	7	0	0	16	6	11	3	5	41	0	37	19	35	6555	3	23	0	3	26	17	15	26	23	0	4	0	2	122	10	0	5	7	4	18	5	2	3	2	5
2	32	2	22	38	451	19	12	1	8	19	4	45	0	13	32	3	39	37	119	16	6086	18	4	18	41	7	55	400	39	3	7	0	3	23	0	1	2	13	1	40	3	4	0	3	5
4	16	1	48	52	67	7	2	0	1	14	2	47	5	5	26	1	45	33	72	14	2	1885	3	20	29	3	7	56	27	6	4	1	1	45	2	1	3	16	2	23	9	6	1	2	7
1	6	0	10	25	18	1	7	0	2	7	26	2550	1	1	14	0	19	20	5	0	3	3	1057	3	16	1	5	17	6	2	0	1	1	5	3	0	0	2	0	14	6	2	1	0	16
5	21	1	15	24	29	7	16	0	4	11	3	7	3	5	15	1	37	15	13	11	1	21	2	4588	11	6	6	15	22	1	1	0	0	16	1	0	0	5	1	8	10	0	3	2	10
21	23	0	25	94	92	2	9	416	0	32	27	32	3	17	45	1	39	57	35	25	5	13	6	20	8456	17	22	34	58	8	9	4	1	8	10	0	4	24	0	26	14	6	0	7	12
15	18	1	10	61	24	3	3	0	0	2	1	22	5	3	64	0	28	1	9	7	0	21	0	4	16	4403	7	14	15	3	1	2	1	18	14	0	10	5	1	38	4	4	9	2	14
5	15	1	2	16	87	0	11	0	7	7	7	20	1	9	27	0	2	13	17	7	14	2	1	4	23	1	10302	69	4	0	4	0	6	2	1	0	0	0	1	18	1	5	1	1	6
5	39	10	16	68	155	7	21	0	5	16	18	66	3	20	60	0	41	47	86	17	29	16	1	30	59	15	91	8627	49	3	10	1	5	24	4	1	0	20	2	33	4	4	4	8	18
28	142	20	125	403	61	41	54	1	30	27	43	381	18	54	239	3	479	289	569	61	92	132	8	82	296	57	118	277	38899	19	19	2	19	161	12	2	1	45	4	227	21	27	16	24	83
3	611	6	104	404	157	32	19	3	6	21	8	140	8	10	71	3	1746	107	264	13	12	123	9	22	73	20	16	334	53	2561	2	0	2	153	6	1	12	8	3	86	17	6	1	6	23
0	1	1	1	0	5	0	2	3	1	5	1	2	0	2	4	0	6	4	0	2	0	0	0	6	3	1	4	0	1	0	1657	0	0	0	1	2	1	1	0	0	0	0	0	0	0
0	6	0	7	3	1	1	0	1	0	0	0	0	1	3	0	297	8	4	1	1	1	1	4	0	0	0	2	2	4	1	0	71	1	8	3	0	0	0	0	0	7	0	2	0	1
0	17	2	4	6	1	1	2	1	0	0	1	0	2	5	9	3	23	2	2	11	1	3	2	1	4	7	5	5	21	2	1	0	1443	4	3	0	0	0	8	2599	7	0	5	2	6
10	59	12	44	152	95	21	18	1	1	42	13	113	12	17	115	0	102	60	144	71	19	70	5	33	86	22	32	104	72	7	12	0	5	9746	5	1	3	34	1	35	5	12	6	3	18
23	3	2	5	83	26	0	8	0	0	5	14	14	35	9	35	0	19	40	28	6	4	14	4	4	35	6	7	18	27	1	0	1	0	14	4365	0	0	4	0	43	5	0	1	8	7
0	1	0	1	2	0	17	0	1	0	2	0	1	0	0	0	0	1	1	2	1	3	1	0	2	4	0	2	4	2	0	0	0	0	0	0	786	0	0	1	0	0	0	0	0	0
7	25	8	40	275	123	7	7	1	1	15	3	34	18	2	30	1	73	35	149	11	3	90	1	15	50	29	2	93	31	1	4	1	1	64	6	1	737	13	1	54	10	129	3	7	8
4	20	8	438	28	35	0	7	1	2	10	4	25	6	9	28	0	37	15	23	19	8	33	1	14	18	3	17	22	25	1	6	0	7	24	2	0	1	6648	0	13	8	7	5	2	7
0	2	0	3	3	3	0	0	0	1	1	0	2	1	0	2	0	10	4	4	10	0	7	0	0	3	1	0	9	2	0	1	0	1	0	0	0	0	0	555	4	0	0	0	0	0
11	46	6	41	108	69	5	10	9	2	24	25	28	17	5	54	6	124	20	29	36	12	32	4	25	27	13	20	90	61	24	4	0	107	17	12	1	8	8	1	5571	54	9	5	9	12
2	82	28	167	372	36	32	24	15	2	17	10	17	81	28	61	13	188	50	56	45	35	130	42	9	8	38	45	156	248	65	3	1	52	55	32	3	32	30	6	23	12218	7	7	4	42
2	6	0	3	14	5	0	0	2	0	2	6	3	0	4	5	0	5	3	6	3	1	2	1	1	2	1	2	6	3	1	1	0	0	6	1	0	10	6	0	1	2	691	0	7	1
1	5	6	2	6	0	0	0	0	0	4	2	3	0	0	7	0	1	2	1	0	0	1	0	1	1	0	4	1	2	0	1	0	0	4	2	0	0	0	0	2	0	1	1392	0	3
3	1	0	2	6	2	0	1	0	0	1	4	0	0	0	82	1	2	3	6	0	0	3	0	0	3	2	2	1	1	0	1	0	0	1	0	0	0	1	0	2	0	7	1	1358	2
2	12	0	5	18	15	0	8	0	2	6	9	12	1	3	19	0	9	23	13	1	0	1	2	0	29	0	5	8	3	0	2	0	1	5	3	0	0	2	4	32	2	0	1	1	9410

0.8411503598799481

Kernel: (16, 2), Adadelta, cosine_proximity

2203	2	1	11	7	8	0	2	0	0	3	4	4	3	2	10	2	3	5	5	5	1	2	6	1	7	9	6	3	12	1	0	0	0	3	15	0	3	5	1	5	2	2	2	0	3
11	14874	32	130	128	68	6	51	5	3	137	15	144	7	17	55	0	1160	73	154	34	24	131	14	28	112	33	61	195	75	62	0	0	7	81	3	0	5	45	1	83	6	24	6	0	23
5	1	2233	3	5	2	0	2	0	1	12	1	10	0	3	7	0	4	7	6	2	1	2	1	1	0	3	5	5	5	1	0	0	0	7	0	0	1	3	0	2	0	0	9	0	1
22	36	14	6693	56	65	6	13	9	4	44	7	190	24	14	36	4	98	59	134	36	21	235	12	9	119	29	24	106	114	4	0	0	6	88	12	0	5	217	3	95	16	17	1	0	21
112	44	37	132	14669	113	21	39	4	5	76	20	360	38	32	118	8	174	100	341	59	36	237	17	11	170	119	73	207	208	4	0	1	0	90	38	0	44	41	6	227	47	65	12	0	47
7	3	7	8	12	3063	2	14	1	6	16	6	20	3	10	19	1	17	14	12	6	22	12	3	7	21	7	23	30	27	1	0	0	0	6	1	0	0	6	2	12	3	3	0	0	6
2	5	4	24	41	7	5764	12	1	6	12	1	89	1	8	19	0	30	21	76	5	55	33	2	3	22	2	11	62	52	0	0	0	8	33	0	0	2	10	1	21	2	1	3	0	2
1	2	9	3	10	4	15	10339	1	8	13	5	17	1	10	16	0	11	9	6	8	0	4	3	245	30	5	35	9	21	1	0	0	3	7	5	0	0	7	0	10	0	1	2	0	13
2	3	5	4	7	3	1	4	2348	1	11	1	8	0	4	14	0	8	33	6	1	4	1	7	1	5537	6	14	4	35	0	0	0	4	1	4	0	6	3	0	17	3	1	2	0	9
2	0	2	0	0	6	20	8	0	1849	0	0	3	0	2	4	0	14	6	3	4	5	1	1	5	0	1	6	0	6	0	0	0	0	6	0	0	0	2	3	6	0	0	3	0	1
14	3	2	21	17	31	2	7	2	2	5668	3	37	0	5	12	0	45	111	16	10	6	17	4	6	42	7	25	18	28	2	0	0	0	17	1	0	1	14	2	17	1	2	0	0	5
8	5	5	26	27	9	0	5	2	0	10	2155	534	2	12	22	1	15	28	10	2	2	14	43	1	14	9	12	11	27	0	0	0	2	5	12	0	1	5	1	14	4	5	1	0	10
34	9	8	72	63	24	3	6	8	1	27	28	7835	7	20	41	4	29	46	34	0	11	27	789	5	55	28	35	29	80	3	0	0	0	21	9	0	1	18	0	26	4	13	4	0	18
23	4	5	14	51	18	1	6	0	2	15	5	94	2231	5	12	1	13	15	46	7	4	29	4	3	31	12	5	32	36	0	0	0	1	24	24	0	4	4	3	62	4	18	3	0	18
0	0	1	0	1	1	0	0	0	1	8	0	15	0	4334	5	0	2	1	0	2	3	1	2	1	4	1	5	1	2	0	0	0	0	2	2	0	0	4	0	3	1	1	14	0	1
14	4	2	4	13	12	1	6	3	0	5	5	40	0	18	10876	1	13	18	16	1	6	11	3	2	20	34	28	3	25	1	0	0	0	19	2	0	2	8	1	15	3	8	5	0	9
4	1	0	2	7	2	2	1	2	0	3	1	12	0	19	6	357	5	4	7	2	0	21	2	0	7	7	0	3	7	0	0	10	5	6	1	0	1	0	0	1	5	2	19	0	1
21	25	19	125	156	66	31	29	5	8	88	17	244	28	17	65	2	13423	61	188	39	49	98	7	19	145	30	56	112	145	21	0	0	5	97	12	0	9	33	8	175	11	19	9	0	32
41	17	10	76	158	64	9	32	17	9	311	12	121	11	29	94	0	38	12489	102	23	24	170	32	14	94	21	48	92	129	3	0	1	0	113	12	0	11	35	7	66	12	18	2	0	32
36	31	32	90	131	51	6	28	8	4	42	10	111	0	28	67	5	103	62	11345	22	21	48	8	12	78	49	26	94	182	8	0	2	0	88	14	0	18	44	1	66	40	14	6	0	33
11	11	5	26	42	30	2	10	4	1	23	1	20	3	8	38	1	39	21	32	6344	8	52	0	3	40	62	26	26	38	0	0	0	2	171	10	0	11	21	5	38	4	5	3	0	4
4	4	3	20	7	349	9	10	1	10	23	2	77	0	17	22	1	13	35	73	10	6354	10	7	7	38	6	108	350	47	0	0	0	4	15	0	0	2	12	2	32	0	2	1	0	3
8	6	4	64	36	23	6	2	3	3	19	1	64	8	4	21	0	36	30	61	13	1	1942	5	6	30	10	7	50	40	2	0	0	1	35	1	0	4	20	4	28	5	11	3	0	6
1	0	1	7	6	6	1	7	1	2	8	1	2243	1	1	7	0	4	12	2	0	4	0	1497	1	15	0	10	2	5	0	0	0	1	0	4	0	0	1	0	14	1	0	0	0	11
8	10	13	34	43	28	12	26	1	19	26	4	44	3	9	21	1	51	12	21	13	1	72	5	4247	36	19	14	33	50	0	0	0	0	29	3	0	4	12	4	15	7	10	5	0	8
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16	6	2	8	16	10	0	2	0	0	1	0	20	2	5	40	0	4	1	3	8	2	8	0	1	8	4602	12	5	17	1	0	0	3	8	13	0	6	5	0	26	4	1	7	0	10
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16	16	16	30	43	98	7	24	2	9	27	12	190	5	23	72	0	31	71	105	15	74	27	6	18	74	24	160	8292	102	2	0	1	5	37	6	0	5	22	1	54	1	9	4	0	22
42	22	18	93	164	27	25	50	5	30	17	11	407	12	46	152	0	271	182	331	55	103	99	14	35	262	58	135	159	40293	12	0	2	20	97	13	0	9	44	8	271	9	26	18	0	64
17	95	9	223	379	35	29	22	4	5	27	6	256	45	10	45	3	1948	81	236	18	15	365	14	10	66	26	17	298	214	2294	0	0	5	174	7	0	15	13	12	161	9	51	7	0	19
3	0	2	29	18	18	24	3	12	3	1343	3	8	1	3	8	1	19	77	15	4	6	12	0	6	35	2	9	12	17	0	0	0	0	5	1	0	1	13	0	2	0	2	0	0	0
0	4	0	8	3	0	2	0	0	0	0	0	0	4	4	0	250	7	4	8	2	2	1	4	0	0	0	2	8	3	0	0	89	0	17	3	0	2	0	0	0	6	0	8	0	1
0	3	0	1	1	0	1	3	2	0	0	0	0	0	9	5	1	4	2	0	6	4	0	1	0	1	6	6	2	10	0	0	0	1826	0	2	0	5	0	3	2307	0	1	6	0	3
20	21	13	93	115	74	14	17	6	2	71	6	219	22	12	84	2	105	62	163	99	30	151	18	16	89	49	41	105	119	2	0	0	5	9392	6	0	8	69	14	43	7	27	9	0	18
21	2	4	20	71	45	5	8	8	0	13	2	16	10	5	37	2	15	20	21	6	9	15	11	1	11	16	11	27	51	0	0	0	3	19	4361	0	6	10	2	10	9	7	4	0	9
0	1	1	5	8	0	664	0	2	1	4	0	17	1	0	1	0	6	6	16	1	15	7	0	1	48	2	2	10	8	0	0	0	0	1	0	0	0	0	0	6	0	1	0	0	0
11	5	7	32	167	25	7	6	1	2	25	3	40	18	1	15	0	41	19	125	9	5	131	0	4	32	32	2	58	36	1	0	0	2	52	6	0	983	7	1	39	3	249	10	0	7
8	9	12	729	16	35	1	15	3	3	7	3	39	9	12	20	0	25	13	23	15	10	39	5	6	20	3	26	19	36	0	0	0	7	24	2	0	2	6361	1	12	3	6	5	0	7
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16	14	3	29	31	26	5	10	16	2	25	10	40	6	15	42	7	57	11	12	27	12	23	4	11	20	22	30	44	67	6	0	0	174	9	12	0	9	9	0	5898	19	8	8	0	12
8	58	41	375	500	29	41	28	42	4	30	11	37	178	32	65	14	216	51	83	57	43	412	65	11	10	86	47	247	384	68	0	0	70	83	33	0	20	30	5	61	10974	16	11	0	41
3	4	2	4	13	4	0	0	2	0	4	2	8	0	4	5	0	5	6	11	1	3	8	3	0	5	4	3	7	11	0	0	0	0	3	1	0	12	8	0	4	1	661	1	0	2
2	0	12	1	4	1	0	0	0	0	13	1	7	0	1	6	0	1	2	1	0	0	7	0	2	0	3	5	4	6	0	0	0	0	4	2	0	2	0	1	0	0	1	1363	0	3
7	1	2	2	12	2	0	2	2	0	4	20	8	1	2	1036	0	6	10	17	0	1	9	0	2	11	2	5	3	13	1	0	0	0	8	3	0	8	5	0	7	4	279	1	0	3
3	4	1	2	12	20	0	9	0	2	7	1	6	0	3	17	0	5	19	10	1	0	0	7	0	24	6	20	6	14	0	0	0	3	1	3	0	1	1	3	18	2	0	0	0	9438

0.8190481012026674

Kernel: (16, 2), Adam, categorical_hinge

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23	16315	21	46	53	38	4	49	1	2	73	21	58	3	12	50	0	422	65	132	20	18	29	4	69	95	11	57	123	81	41	16	0	5	26	3	0	2	49	2	49	9	4	3	5	14
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Kernel: (16, 2), Adamax, cosine_proximity

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13	21	10	616	24	35	0	20	2	3	7	4	23	6	9	11	0	23	12	28	24	16	9	1	12	21	3	17	19	25	4	7	0	7	17	2	1	2	6512	0	7	2	4	5	0	7
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25	33	4	86	147	92	12	13	23	3	26	28	47	13	9	33	5	123	20	52	87	22	14	5	25	45	16	22	122	86	47	3	0	158	13	12	1	13	11	1	5254	18	12	2	3	15
17	78	32	468	1004	62	74	27	50	6	18	13	27	179	23	40	11	256	54	134	97	69	122	45	15	28	52	38	420	374	151	2	3	68	72	38	5	68	31	6	20	10242	23	6	4	45
6	5	1	6	18	7	0	0	2	0	5	5	5	1	3	2	0	5	7	11	3	2	2	0	0	5	1	2	10	6	1	1	0	0	4	0	0	6	5	0	1	1	671	0	4	1
3	1	25	2	13	1	0	0	0	2	9	5	6	4	0	2	0	1	3	4	4	0	4	0	3	0	1	5	2	8	0	1	0	0	10	2	0	3	0	0	0	0	1	1324	2	4
6	1	0	5	17	12	0	2	2	0	1	21	2	0	1	20	1	4	5	16	0	1	1	0	1	7	3	3	3	8	0	1	0	0	5	0	0	4	5	0	3	0	85	1	1249	3
4	5	0	4	14	27	0	13	1	3	2	4	4	1	2	5	0	10	31	23	8	1	0	2	0	32	0	11	5	8	0	2	0	2	3	2	0	2	1	2	16	2	0	0	1	9416

0.8359707236886949

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

2339	0	0	1	2	2	0	0	0	0	2	1	1	0	2	0	0	0	2	1	0	0	0	1	1	0	3	0	0	1	0	0	0	0	1	3	0	0	1	1	1	0	0	2	1	0
28	15354	18	99	170	77	18	36	1	4	106	44	121	5	35	46	0	673	100	393	27	20	58	5	26	88	31	41	139	78	53	15	0	5	33	1	1	2	27	3	93	7	12	5	14	11
7	5	2207	1	6	1	5	2	0	0	10	1	10	0	6	4	0	2	11	24	1	0	2	1	2	0	2	4	5	3	2	4	0	0	2	0	0	1	1	1	1	0	1	10	4	2
58	37	12	6075	97	107	16	12	1	3	66	44	208	9	30	39	0	96	99	438	54	17	142	2	15	128	39	20	87	112	7	7	1	5	47	12	0	2	330	16	145	41	4	15	10	13
233	35	26	76	15033	99	21	36	2	5	80	62	226	11	47	95	5	117	155	641	58	22	84	11	15	125	106	50	98	133	3	11	2	0	46	28	1	18	29	9	186	42	15	32	46	27
12	4	6	7	16	3096	2	17	0	3	26	13	12	0	12	9	1	18	12	25	7	14	6	0	10	18	6	6	10	20	1	11	0	0	5	1	1	1	3	1	9	5	1	1	6	5
3	6	2	5	27	7	6036	11	0	4	14	2	30	0	9	11	0	12	18	69	4	29	1	2	3	25	1	11	27	29	0	3	0	8	4	0	6	1	5	2	12	1	1	6	5	1
8	3	3	1	18	2	6	10543	1	8	16	10	11	1	9	8	0	8	22	28	9	0	1	2	66	34	3	5	7	14	1	12	0	3	0	0	0	0	4	1	8	0	1	1	4	7
3	8	0	2	11	2	3	4	1684	1	12	2	4	0	6	9	0	14	38	14	2	3	1	3	1	6200	7	6	6	35	2	3	0	5	0	1	0	6	6	0	7	6	1	3	2	0
2	0	1	0	0	5	0	4	0	1908	0	0	2	0	2	1	0	3	6	3	2	1	1	2	2	3	0	2	0	2	0	10	0	0	0	0	0	0	0	1	1	1	0	3	0	1
18	7	0	7	15	11	0	5	0	3	5852	4	14	1	7	9	0	25	89	23	4	2	6	2	6	28	5	6	8	16	0	7	0	0	4	0	0	1	11	0	10	0	1	11	3	2
14	3	2	4	14	3	0	1	1	0	7	2861	42	1	8	13	0	1	13	7	2	1	1	10	1	5	10	2	3	7	0	0	0	0	0	4	1	1	3	3	5	4	2	1	8	2
84	8	6	38	72	27	6	9	3	1	36	342	7906	2	29	41	1	28	57	77	1	7	22	324	10	69	25	24	26	70	1	6	1	0	13	9	1	0	19	0	24	10	8	14	10	8
123	4	5	13	73	21	2	4	0	1	13	8	60	2184	10	6	0	11	23	75	4	3	29	3	4	26	14	5	19	33	1	1	0	0	13	4	1	2	6	3	46	5	7	6	7	11
3	0	0	0	0	0	0	2	0	1	2	2	3	0	4382	1	0	2	1	1	0	0	0	0	0	9	0	0	1	0	0	2	0	0	0	0	0	0	2	0	0	0	1	4	0	0
37	3	3	5	13	18	3	5	0	1	10	14	27	0	24	10762	1	7	22	15	3	2	1	1	7	33	23	11	3	12	0	8	0	0	5	2	0	0	5	2	14	6	0	9	137	3
7	1	0	2	10	3	2	1	2	0	0	4	7	0	53	6	220	3	13	8	1	0	8	0	0	7	5	0	2	5	0	0	27	4	1	1	0	0	0	1	1	7	1	120	2	0
59	40	18	86	186	84	44	30	2	13	88	56	230	19	30	62	0	13156	90	463	38	35	54	5	14	115	23	33	99	92	40	24	0	4	66	11	2	3	22	12	235	13	7	22	10	14
61	16	5	33	102	45	11	22	10	8	222	37	71	5	31	60	0	27	13162	115	31	11	51	12	7	82	19	22	37	86	1	27	0	0	42	6	0	1	21	6	39	6	6	11	23	9
48	21	17	23	95	34	9	22	6	4	31	27	43	0	31	61	0	51	65	12037	16	4	10	11	14	59	22	11	34	108	5	9	1	0	15	10	1	6	15	2	29	11	4	16	12	14
44	12	3	12	46	21	6	7	0	3	32	7	8	1	11	37	0	36	21	85	6532	3	12	0	3	42	33	15	11	29	0	4	0	2	29	7	0	3	7	17	33	4	1	17	3	2
12	6	4	16	24	465	19	14	1	14	28	7	64	0	24	21	0	21	54	179	14	6202	13	4	13	54	7	42	218	40	1	6	1	3	16	0	1	0	12	0	56	2	3	3	4	2
23	5	1	54	49	48	8	5	0	4	20	8	50	6	8	14	0	32	50	170	15	1	1798	2	11	34	7	8	36	38	5	4	0	1	24	1	1	0	11	3	32	14	2	9	7	4
5	0	0	4	10	4	1	8	0	0	10	56	2962	0	3	8	0	3	16	7	0	1	0	711	2	25	1	3	2	4	1	0	0	1	0	3	0	0	2	0	15	3	1	2	0	3
13	11	1	11	44	27	15	21	1	14	28	13	19	0	10	10	0	37	30	37	15	0	20	2	4420	42	11	7	13	42	1	7	0	0	4	2	0	0	8	2	12	4	1	7	6	5
60	9	1	7	92	28	3	8	400	0	32	28	28	2	23	32	1	15	60	63	16	3	4	4	8	8636	23	14	12	46	2	7	0	0	3	5	0	4	16	0	23	18	1	4	12	6
26	3	1	7	20	11	1	3	0	0	2	2	18	1	8	32	0	7	2	10	4	0	6	0	0	10	4603	8	5	14	1	1	0	0	3	9	0	1	4	2	34	2	1	11	5	5
19	1	1	2	6	144	0	28	0	14	20	14	39	0	15	27	0	2	38	42	6	44	1	2	2	37	3	10088	63	3	0	11	0	6	1	1	0	0	0	1	28	1	2	4	2	2
42	16	11	23	55	120	13	25	1	14	37	38	135	3	32	50	0	27	81	262	19	44	20	2	20	76	23	94	8226	65	5	11	1	5	16	6	0	3	24	1	78	5	4	6	9	10
117	52	21	68	263	43	33	54	2	30	28	73	388	8	61	147	0	170	280	725	54	99	58	8	32	255	73	113	185	39640	11	18	1	15	65	10	2	4	38	8	306	11	14	43	45	40
47	107	9	146	440	69	49	22	3	8	28	40	215	13	20	37	2	1271	164	641	14	19	165	9	10	70	24	14	205	127	3004	3	0	2	73	5	0	12	12	6	120	12	11	9	16	12
0	0	0	0	0	0	0	1	4	1	27	1	2	1	2	2	0	3	5	0	1	0	0	0	1	2	1	3	0	1	0	1658	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	4	0	8	6	0	2	0	0	0	0	3	0	2	13	0	277	7	5	5	3	1	2	4	0	0	0	1	6	3	0	0	63	0	5	2	0	1	0	0	0	6	0	12	0	1
0	5	2	3	1	0	2	3	1	0	0	1	0	0	9	6	1	14	3	2	11	0	1	2	1	6	7	4	5	19	1	1	0	1226	0	2	0	4	0	7	2857	3	0	8	1	2
73	34	15	82	175	102	43	21	1	10	90	32	188	15	34	87	0	104	121	623	146	29	84	6	28	101	48	32	106	121	9	12	0	5	8623	3	1	3	53	11	51	14	8	54	28	12
94	4	3	14	103	46	4	10	2	1	16	41	20	167	32	32	0	32	70	33	10	10	31	3	3	66	16	6	26	54	2	6	1	0	18	3765	0	5	14	1	110	8	0	10	28	6
0	0	1	1	2	0	38	0	0	0	3	0	2	0	0	0	0	0	1	6	1	6	1	0	1	12	1	2	2	4	0	2	0	0	0	0	747	0	0	1	1	0	0	0	0	0
36	6	6	31	233	36	10	5	1	2	31	6	33	15	4	11	0	39	53	378	9	3	67	0	5	39	51	2	34	37	1	3	0	1	21	5	0	698	11	3	65	16	167	18	22	5
15	17	8	654	25	46	3	20	1	4	14	8	35	5	20	24	0	24	15	66	23	8	24	1	12	21	6	19	26	44	3	10	0	7	16	2	0	1	6312	2	25	11	3	7	3	1
1	1	0	1	1	3	0	0	0	1	3	0	4	0	0	2	0	2	7	6	5	1	2	1	0	1	1	0	7	1	0	1	0	1	0	0	0	0	0	571	5	0	0	0	0	0
34	17	4	25	64	34	6	14	8	2	29	42	29	6	13	37	3	63	21	52	29	14	16	5	15	38	14	17	52	58	25	3	0	63	4	7	0	3	5	1	5865	34	4	11	9	6
29	48	24	187	385	23	39	29	23	2	21	25	19	93	68	41	6	169	58	95	33	32	140	42	6	18	61	37	118	321	62	3	2	52	24	22	4	11	33	1	48	12103	9	19	9	23
8	2	0	6	18	8	1	0	2	0	10	7	5	0	5	3	0	3	9	21	4	1	5	0	1	4	4	2	7	6	2	1	0	0	2	0	0	6	5	0	4	2	621	3	26	1
2	0	2	0	1	0	0	0	0	0	2	0	1	0	0	3	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1437	1	0
6	0	0	0	2	1	0	0	0	0	1	6	0	0	1	5	0	0	1	0	0	0	1	0	0	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	1	1465	1
20	5	1	8	40	64	1	15	1	2	19	40	42	1	9	31	0	31	79	136	6	0	6	4	0	47	9	8	20	17	1	2	0	1	9	4	0	1	8	5	68	2	0	5	3	8898

0.8294073447241475

Kernel: (16, 2), Nadam, categorical_hinge

2151	2	0	10	28	8	0	2	1	0	10	4	1	4	4	13	0	9	14	3	13	1	11	5	1	10	6	3	1	15	2	0	0	0	7	12	0	2	2	0	6	1	0	2	1	4
7	16707	16	22	146	48	1	48	5	2	36	9	23	1	13	43	0	339	51	47	38	16	25	10	30	93	9	52	29	64	20	15	0	6	42	3	0	2	27	0	44	3	0	3	3	25
7	6	2219	1	14	2	0	3	0	1	12	1	7	0	3	10	0	4	7	1	3	0	2	1	1	0	1	4	3	12	1	7	0	1	6	0	0	1	2	0	1	0	0	2	1	4
22	72	15	6245	210	175	4	14	11	2	70	9	83	11	16	43	1	156	94	100	87	12	201	7	12	148	20	23	25	147	5	8	0	6	184	12	0	2	362	0	57	6	0	0	6	35
85	57	23	67	16046	141	2	41	5	3	67	14	86	8	22	120	4	104	101	126	92	23	91	18	7	131	47	45	32	192	6	9	0	2	120	35	0	17	26	0	83	11	0	11	17	65
5	12	7	6	16	3113	1	16	1	2	27	4	3	1	11	16	0	15	19	7	9	6	13	0	8	26	0	10	4	26	2	19	0	0	7	1	0	1	4	0	6	2	0	0	3	10
4	18	7	20	521	11	5183	17	0	5	22	2	36	2	9	27	0	55	29	72	11	59	53	2	4	37	1	13	36	66	2	8	0	8	66	0	0	2	11	0	20	3	0	1	3	7
2	2	3	2	13	4	1	10586	1	5	6	0	1	0	7	23	0	6	9	1	11	0	1	2	67	35	4	17	2	17	0	13	0	3	4	3	0	0	4	0	6	0	0	2	3	23
1	4	0	0	9	2	0	2	2304	0	14	1	2	0	1	20	0	12	34	2	2	4	1	1	1	5619	4	9	0	32	1	8	0	4	0	3	0	6	1	0	2	3	0	3	0	11
2	0	1	0	2	28	3	8	0	1822	0	0	1	0	2	4	0	13	8	3	8	3	3	2	6	2	1	6	0	6	0	12	0	0	10	0	0	0	5	0	1	0	0	3	0	4
7	19	0	8	46	11	0	8	1	2	5765	1	10	0	3	14	0	50	96	3	9	3	6	0	7	29	3	12	6	23	4	33	0	0	15	1	0	1	9	0	9	0	0	0	0	9
9	10	7	34	81	23	0	7	4	0	19	2311	172	3	17	33	1	28	53	14	7	1	24	27	1	25	5	11	7	33	2	4	0	2	19	16	0	2	8	0	17	3	0	1	12	18
50	35	10	76	256	65	5	14	10	1	51	62	6879	5	27	64	2	77	121	41	10	15	71	875	22	111	28	32	31	141	5	15	0	1	138	9	0	3	32	0	37	3	0	6	8	31
32	13	4	23	187	61	1	8	0	1	18	4	32	1981	4	16	0	34	28	35	15	2	51	5	4	49	2	4	11	67	5	3	0	2	81	24	0	3	6	0	41	1	0	3	4	24
1	1	1	0	5	0	0	2	0	1	10	0	4	0	4335	7	1	2	3	0	4	0	0	1	1	12	0	2	1	3	0	2	0	1	3	2	0	0	2	0	3	0	0	6	1	2
8	5	2	6	10	16	0	3	1	0	6	1	6	0	17	10984	0	15	22	2	4	1	6	1	0	12	7	13	1	18	2	6	0	0	16	3	0	0	4	0	5	4	0	9	16	25
4	1	0	3	36	6	1	2	2	0	7	1	5	1	9	9	306	5	9	5	3	0	34	0	0	12	1	0	0	12	0	1	0	5	49	1	0	1	0	0	1	0	0	0	2	1
22	109	17	69	415	96	5	35	6	3	55	13	102	10	16	63	3	13471	68	135	69	45	69	13	19	138	14	44	50	123	52	28	0	5	165	11	0	4	29	0	106	3	0	3	2	44
28	27	6	35	259	56	4	33	19	4	279	4	21	2	25	84	0	40	12945	43	40	16	71	6	11	77	10	27	16	109	7	49	0	1	110	11	0	2	23	0	33	4	0	1	12	49
37	69	38	92	446	138	6	33	11	2	66	10	68	0	27	83	3	151	93	10677	77	14	99	9	22	102	20	21	38	221	18	15	0	1	147	12	0	14	61	0	51	10	0	7	5	50
8	13	3	3	37	23	0	9	4	0	24	1	0	3	6	38	0	25	18	4	6773	3	7	1	1	43	4	18	4	26	1	6	0	2	65	2	0	2	4	0	8	1	0	3	2	6
5	18	5	23	73	1163	2	19	2	7	24	2	32	0	18	31	2	20	63	79	23	5630	12	5	8	47	5	65	111	75	1	15	0	3	30	0	0	2	13	0	42	0	0	1	4	10
8	25	4	59	105	61	5	5	1	2	21	1	35	4	5	21	0	33	33	47	31	3	1841	4	11	44	2	7	19	52	2	6	0	1	65	1	0	2	20	0	22	3	0	1	1	10
4	6	1	9	30	14	0	10	4	2	16	4	2396	0	2	15	0	5	36	3	1	4	2	1176	4	36	1	10	2	14	1	2	0	1	16	4	0	1	1	0	21	1	0	0	0	22
9	14	10	13	75	35	5	29	2	8	24	2	6	0	4	27	0	48	18	6	25	0	27	5	4389	45	8	8	14	44	0	9	0	3	17	3	0	0	12	0	9	1	0	5	2	12
21	8	1	5	97	21	0	13	1056	0	52	6	11	1	12	44	0	23	58	9	10	5	5	3	7	8103	8	22	7	56	2	13	0	1	6	11	0	1	20	0	13	4	0	2	4	18
22	16	11	13	77	51	1	7	2	0	3	0	11	6	7	95	0	31	2	11	49	2	40	0	1	34	4157	13	3	49	3	1	0	4	41	14	0	21	7	0	52	2	0	7	0	17
3	2	1	0	2	203	0	25	0	6	5	1	3	0	13	26	0	1	34	3	6	97	1	0	2	20	1	10185	25	4	0	19	0	6	0	1	0	0	0	0	11	0	0	2	2	10
25	61	30	52	288	520	4	43	2	4	52	14	95	5	29	87	2	50	110	135	35	58	71	4	26	105	16	114	7253	151	14	18	0	5	107	7	0	4	38	0	79	2	0	4	6	33
35	84	10	57	225	49	6	54	5	27	19	10	135	1	41	158	0	209	225	155	101	70	46	13	28	238	28	116	63	41027	14	27	0	17	92	16	0	4	41	0	143	2	0	17	13	90
12	311	6	115	1058	110	18	28	4	4	24	6	51	6	10	49	0	1344	95	164	33	11	190	14	9	68	8	14	78	188	2907	3	0	3	206	7	0	11	11	0	75	1	0	1	7	25
0	0	0	0	2	0	0	3	2	0	7	0	0	0	2	4	0	4	2	0	1	0	0	0	1	1	0	2	0	1	0	1685	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4	0	9	20	0	1	0	0	0	0	0	0	2	4	0	312	5	4	6	5	0	4	4	0	0	0	1	3	4	1	0	0	0	44	2	0	1	0	0	0	4	0	1	0	1
0	5	0	1	3	0	0	3	1	0	0	0	0	0	1	8	0	7	4	0	27	1	0	1	1	7	2	5	0	6	0	1	0	1846	1	3	0	4	0	0	2266	0	0	5	0	12
11	38	10	40	197	118	12	22	5	1	72	4	43	3	14	98	0	81	67	81	257	19	52	11	15	84	12	28	23	124	2	19	0	6	9755	5	0	3	48	0	24	2	0	2	0	30
44	10	2	15	87	91	1	8	6	0	16	3	3	25	4	45	0	21	43	8	23	4	13	6	0	18	6	6	6	38	1	6	0	2	60	4257	0	2	8	0	8	4	0	4	3	16
1	3	2	9	182	0	357	0	2	1	4	0	5	0	0	1	0	21	6	16	3	12	10	0	1	93	1	0	2	9	0	81	0	0	1	0	0	0	0	0	11	1	0	0	0	0
20	9	7	37	533	111	2	6	1	1	31	3	14	15	1	17	2	44	33	88	25	4	141	0	4	46	11	1	20	49	5	5	0	1	137	7	0	723	15	0	26	4	0	4	7	9
9	22	11	405	32	47	0	20	4	2	18	3	16	4	14	24	0	33	17	13	28	7	26	1	6	28	3	23	6	40	3	9	0	8	37	3	0	1	6628	0	12	3	0	5	0	20
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15	31	3	32	122	42	2	14	11	2	35	12	15	8	11	49	4	54	21	16	81	8	25	7	15	45	6	22	20	71	10	4	0	328	11	11	0	5	13	0	5583	10	0	5	3	19
21	93	27	262	1399	79	20	27	40	3	38	6	4	123	25	72	15	219	65	81	178	35	454	55	14	31	32	42	85	430	90	2	0	74	103	35	0	17	37	0	55	10146	0	8	6	69
4	13	2	11	217	35	1	3	2	0	17	6	10	1	6	5	0	23	16	30	6	3	77	2	2	12	1	3	7	23	5	1	0	0	34	0	0	162	28	0	8	1	0	2	34	2
0	0	3	2	4	0	0	0	0	0	9	1	1	0	0	4	0	1	2	0	0	0	0	0	1	1	0	0	0	5	0	1	0	0	4	2	0	0	0	0	0	0	0	1410	0	4
3	1	0	4	9	5	0	1	0	0	2	4	0	0	0	122	0	1	3	5	0	0	2	0	1	4	0	1	0	5	0	1	0	0	1	0	0	2	1	0	4	0	0	1	1311	5
1	3	0	0	1	2	0	5	0	1	2	0	0	0	2	11	0	3	8	0	1	0	0	0	0	14	0	5	1	1	0	3	0	2	0	0	0	0	0	0	10	1	0	0	1	9591

0.8226982991780099

Kernel: (16, 2), Nadam, logcosh

2188	2	1	5	19	5	1	1	3	0	5	7	2	6	4	6	0	6	9	7	2	0	6	3	1	11	9	1	5	13	2	0	0	0	4	12	0	4	9	0	0	5	1	2	1	1
5	17017	10	16	54	13	1	28	2	3	19	17	35	3	15	21	0	286	41	54	12	13	44	9	19	79	34	34	18	53	32	14	0	6	30	2	0	4	21	1	27	4	12	3	2	10
5	6	2270	1	4	0	0	1	0	1	4	1	9	0	5	2	0	1	3	2	1	0	4	1	2	1	2	1	3	7	2	3	0	0	2	0	0	1	3	0	0	0	1	0	0	2
20	74	17	5476	122	54	6	11	6	4	45	27	152	33	18	27	0	130	76	214	29	34	626	13	26	147	92	21	65	172	28	6	2	6	126	13	0	11	603	5	94	29	30	0	5	23
78	71	28	47	15587	63	3	32	3	3	50	44	166	31	28	67	5	123	99	363	28	39	185	18	25	180	161	47	61	170	12	9	5	1	47	37	1	38	43	5	86	23	39	6	12	33
5	26	9	5	41	2859	1	17	1	5	22	11	23	2	13	9	0	27	20	29	3	38	42	1	13	24	21	13	13	50	11	14	0	0	27	2	1	2	12	1	8	3	6	0	2	7
1	24	5	10	130	4	5473	16	0	7	14	3	58	3	10	12	0	35	24	100	2	73	156	5	10	35	30	12	38	73	6	3	0	8	26	0	5	2	11	2	16	2	4	1	2	2
4	10	14	2	21	2	2	10398	1	6	7	12	20	1	9	8	0	13	11	7	7	0	6	3	189	36	7	15	5	21	0	10	0	3	4	3	0	0	6	1	9	0	0	0	2	14
1	9	2	1	9	1	1	3	2022	2	4	2	2	0	3	7	0	10	33	8	1	2	2	0	2	5914	7	7	2	24	3	4	0	4	0	2	0	6	6	0	8	3	1	2	1	2
2	0	1	0	0	0	0	4	0	1905	0	0	2	0	2	1	0	6	3	2	2	1	2	2	4	2	1	2	0	5	0	13	0	0	1	0	0	0	0	1	0	0	0	2	0	3
11	30	2	17	34	12	0	6	4	3	5617	11	20	1	5	8	0	44	111	25	4	2	50	2	7	53	11	12	9	33	6	8	0	0	19	3	0	2	17	2	12	1	2	0	1	6
4	7	3	7	20	1	0	0	1	0	7	2800	68	4	9	11	0	4	10	5	2	2	11	13	2	11	15	4	1	13	2	2	0	0	4	4	0	1	4	1	3	5	4	1	1	4
30	30	6	26	110	18	4	4	8	1	24	160	7699	9	23	33	1	46	50	33	1	11	64	623	21	78	48	24	29	118	8	7	3	0	29	9	0	6	29	1	11	8	10	3	5	14
15	7	3	2	61	9	0	3	0	2	7	13	25	2426	4	2	0	11	9	56	0	5	26	4	6	35	22	4	14	30	3	1	0	0	9	11	0	3	6	1	22	2	13	2	2	13
0	0	4	0	1	0	0	1	0	1	3	2	9	1	4357	1	0	2	1	0	0	1	1	2	0	11	2	0	1	4	1	2	0	0	2	2	0	0	2	0	2	0	1	2	0	0
20	17	7	6	72	23	1	8	7	1	6	18	41	13	21	10461	1	23	27	45	1	1	57	5	12	40	76	12	4	62	5	9	1	0	39	6	0	9	6	1	15	8	9	9	31	21
1	1	0	2	12	4	1	1	2	0	0	3	6	3	4	4	370	3	5	6	1	0	26	1	1	10	6	0	0	7	0	0	42	5	1	1	0	1	0	0	0	4	0	0	0	1
15	106	19	47	206	32	3	26	4	9	41	29	159	19	19	38	1	13468	64	236	19	48	204	6	21	163	58	41	47	148	117	22	0	4	106	12	0	11	27	2	102	9	11	3	2	25
33	38	7	32	184	40	4	29	17	8	180	34	78	14	25	57	1	43	12774	84	15	16	217	24	27	108	28	21	28	133	17	22	1	0	96	11	0	8	34	1	43	9	17	2	10	29
29	64	33	30	155	17	4	24	8	4	36	27	81	0	28	52	1	87	73	11535	12	18	51	9	21	66	47	16	43	179	30	10	5	0	106	13	1	22	32	1	36	13	10	4	2	29
14	34	4	17	149	23	2	9	2	2	33	5	6	18	12	29	0	52	31	61	5731	11	84	0	11	57	212	20	15	69	5	4	0	4	365	14	0	11	16	4	39	3	13	3	3	4
5	24	5	11	47	68	2	13	1	12	21	4	43	0	16	17	1	32	45	124	10	6699	37	7	13	45	34	43	103	71	4	8	1	3	38	0	0	3	16	1	49	0	5	0	3	6
5	15	1	29	38	13	2	2	1	4	11	3	32	9	4	10	0	23	24	63	7	5	2087	5	11	32	26	7	24	40	6	3	0	1	26	1	0	1	13	1	19	3	9	1	1	5
1	5	0	2	16	4	0	3	4	2	7	25	2112	1	1	4	0	7	10	3	0	1	0	1587	3	24	3	4	2	11	1	0	0	2	1	4	0	0	2	0	12	2	1	0	0	10
7	19	8	3	38	5	5	14	1	10	15	4	12	1	8	4	0	44	8	11	7	0	59	3	4510	23	20	6	10	54	1	5	1	0	17	2	0	3	9	2	7	1	5	3	1	7
22	11	1	0	56	24	0	10	756	0	27	18	21	3	14	28	0	15	52	32	7	3	3	8	11	8433	32	20	10	55	4	4	1	0	3	8	0	4	26	0	16	5	5	1	3	7
17	5	2	2	17	5	0	3	0	0	1	1	7	2	3	15	0	4	0	3	2	0	3	1	1	8	4721	4	0	11	1	0	0	1	2	11	0	0	2	2	11	2	1	6	1	5
7	10	8	1	11	45	0	23	0	15	8	12	29	1	14	26	0	1	43	16	3	139	1	7	4	23	15	10170	20	11	0	12	0	6	3	1	0	0	0	0	23	0	2	1	2	7
16	58	22	16	111	66	5	25	1	11	34	30	123	6	27	48	0	41	80	178	11	137	100	8	27	85	65	105	7899	133	38	12	4	5	59	8	0	6	35	2	70	1	22	4	5	19
39	80	20	30	224	10	3	51	3	22	14	40	212	16	41	89	0	145	172	283	26	85	88	14	42	242	136	93	89	40998	22	15	1	19	59	11	0	6	41	4	126	6	18	8	13	55
5	251	9	65	391	18	13	20	4	5	20	12	94	20	9	24	2	995	67	216	10	21	396	11	17	77	60	18	68	149	3985	3	2	2	79	6	0	18	6	3	54	6	36	1	2	15
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0	15	3	0	5	0	1	2	1	1	0	0	0	0	6	6	1	25	3	1	3	1	1	3	1	6	10	4	2	24	5	1	0	1557	2	4	0	5	0	5	2509	1	1	3	0	3
13	59	18	35	242	39	10	20	6	2	52	19	117	38	16	54	0	80	69	165	28	30	249	13	26	93	81	31	47	142	26	12	0	5	9455	6	0	16	49	1	30	4	22	1	2	15
32	4	3	5	45	15	1	8	3	1	4	20	3	74	5	21	0	20	24	9	3	7	24	6	4	43	13	7	12	42	1	2	0	0	8	4407	0	6	8	0	10	4	7	2	3	7
0	2	1	1	5	0	16	1	0	0	2	0	8	0	0	0	0	5	3	10	0	12	10	0	2	15	4	1	1	9	0	4	0	0	1	0	718	0	0	1	2	0	1	0	0	0
7	8	8	14	178	7	2	6	1	2	11	3	22	20	1	8	0	27	27	100	4	6	115	3	3	35	86	2	14	31	2	3	1	1	21	6	1	1227	11	0	24	6	153	3	4	5
6	23	12	209	20	10	0	16	2	3	7	5	19	10	10	18	0	24	14	22	8	11	62	3	11	20	12	18	4	40	8	9	0	7	28	3	0	2	6880	1	12	4	7	4	0	7
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21	41	8	15	120	16	3	11	12	2	26	29	39	27	9	34	6	94	17	32	14	18	70	10	17	37	32	18	36	91	76	3	0	134	21	12	0	5	14	0	5585	21	7	3	5	10
5	108	40	112	626	19	21	28	35	4	16	11	14	238	35	39	12	240	50	86	20	46	511	50	13	14	305	44	117	402	226	2	6	66	56	38	3	48	43	4	32	10777	20	5	3	27
3	5	1	2	12	3	0	0	2	0	4	4	5	0	4	4	0	3	8	6	0	1	3	3	0	3	5	2	2	9	3	1	0	0	2	0	0	7	6	0	1	1	694	1	3	2
2	3	20	1	12	0	0	1	0	0	4	6	6	4	1	4	0	1	2	2	0	0	6	0	2	0	1	2	1	9	0	1	0	0	7	1	0	2	0	0	0	0	1	1350	0	3
4	1	1	0	12	2	0	3	0	0	1	26	3	1	1	17	0	2	6	9	0	0	7	0	1	5	2	1	1	5	0	1	0	0	1	0	0	1	2	0	3	1	32	1	1344	2
6	15	1	1	22	5	0	8	0	2	4	9	11	2	5	6	0	8	24	5	1	1	16	5	0	37	12	7	6	15	0	1	0	2	2	4	0	1	2	4	27	2	0	1	1	9388

0.8425486802308857

ARat_2016_10_19__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

1966	0	0	1	2	2	0	3	1	0	0	0	0	2	0	0	0	0	0	16	0	0	1	0	0	0	0	1	55	0	0	0	5	0	5	1	1	0	0	0	11
4	438	7	5	4	25	14	17	10	2	0	2	10	25	1	5	1	16	5	804	3	48	2	1	1	0	0	12	18	0	5	48	8	15	20	8	13	28	0	0	3
11	0	2691	1	4	19	8	14	5	6	0	0	2	18	9	2	10	24	2	478	31	11	14	0	7	1	2	12	9	0	1	61	3	331	19	9	2	5	0	1	2
18	0	5	2885	8	25	4	84	18	5	0	0	64	37	6	20	4	6	0	2119	34	5	8	35	1	0	0	83	23	0	5	16	10	6	19	135	9	6	0	2	0
6	1	4	2	2029	13	3	13	108	4	0	93	12	5	5	2	1	7	1	73	10	2	4	5	1	0	0	3	2	0	1	32	5	5	21	3	1	3	0	1	2
17	0	26	28	12	15441	82	42	10	8	0	2	21	86	20	7	42	17	6	741	51	24	22	26	1	1	3	28	29	0	3	58	29	35	69	32	25	31	0	7	6
12	4	33	14	11	212	7068	29	49	22	1	7	42	145	10	32	16	27	15	1132	118	34	23	6	5	2	3	110	21	1	31	183	48	13	29	10	114	21	0	3	3
57	0	21	24	23	31	4	10295	23	12	0	2	27	52	11	64	8	10	2	734	17	22	21	59	3	0	0	16	1	0	1	44	24	10	59	66	10	7	1	0	4
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10	2	18	2	1136	21	17	24	273	24	5	940	32	52	1	9	1	8	1	168	42	4	6	2	1	0	0	16	17	0	7	105	23	1	55	8	11	6	0	0	3
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12	1	26	16	19	50	31	30	38	23	0	3	26	20966	33	7	14	22	0	2018	54	28	43	12	3	0	0	44	47	0	4	79	43	28	63	18	45	55	1	1	6
62	0	1	0	0	3	1	3	0	0	0	0	0	0	4235	0	2	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	94	1	2	0	0	1	0	0	161
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16	12	34	14	17	34	15	31	24	17	0	1	20	44	6	4	8	1723	3	1706	74	56	7	4	1	0	1	27	51	0	6	203	17	15	40	24	27	37	1	0	3
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12	0	6	3	6	20	4	9	8	3	0	0	9	19	6	1	1	2	0	5380	12	1	3	7	0	0	1	8	4	0	1	23	6	10	21	6	7	6	0	1	2
10	0	28	15	13	35	10	34	21	11	32	0	27	62	6	7	10	18	6	1249	2190	21	5	2	1	0	4	18	17	0	3	102	16	24	35	26	18	22	6	0	1
27	10	35	13	12	65	35	74	44	42	0	3	18	126	9	14	4	47	27	1362	48	6109	20	4	12	1	14	18	34	0	15	229	28	46	56	25	18	364	2	1	6
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5	0	0	0	3	2	0	3	0	1	0	0	241	3	1	0	1	0	0	130	0	0	1	3641	0	0	0	1	0	0	0	0	3	0	8	2	0	0	0	0	0
4	0	10	1	1	3	0	6	4	1	0	0	2	7	2	1	2	1	0	153	17	14	1	2	747	0	1	3	6	0	0	1	5	4	3	7	0	2	0	0	0
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8	1	3	11	7	14	7	10	5	1	0	0	10	22	9	48	2	6	0	496	14	0	17	4	1	0	0	5415	14	0	0	10	11	2	15	26	3	8	0	0	3
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28	1	187	22	56	98	63	106	83	70	1	5	44	173	26	23	13	74	30	3853	233	89	33	8	6	0	16	76	94	0	11	8126	34	29	108	55	33	213	0	0	17
19	1	12	5	11	18	5	10	8	4	0	0	6	15	10	1	5	6	0	377	24	8	8	2	0	0	2	10	17	0	2	38	3313	17	22	9	37	4	0	1	2
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0.7280001236984038

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

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7	0	2456	1	9	26	10	11	7	12	0	1	2	9	12	0	10	55	0	272	45	26	11	0	6	4	0	8	12	0	2	53	16	700	20	11	3	5	0	2	1
16	5	2	3886	12	26	7	48	19	8	0	0	61	19	8	8	4	8	0	1131	35	39	7	57	1	0	5	18	25	3	0	13	19	12	26	160	7	4	0	6	0
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22	22	235	51	91	124	110	76	96	155	0	19	112	113	36	9	15	205	2	3131	380	422	30	25	6	41	17	49	92	3	17	7862	125	74	135	90	50	79	0	10	6
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0.7452219230481948

Kernel: (4, 2), Adamax, cosine_proximity

2019	0	0	1	1	2	0	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0	1	31	0	0	0	3	0	1	1	0	0	0	0	7
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11	2	2726	4	7	37	11	21	14	9	0	0	7	8	13	2	11	68	0	146	70	13	12	0	6	0	1	6	16	0	4	126	7	424	11	14	2	7	2	6	1
22	5	4	4497	11	33	7	78	21	6	1	0	57	17	9	18	5	10	4	370	55	12	9	48	0	0	1	43	38	2	10	26	12	7	19	224	4	12	0	8	0
9	0	3	3	2096	16	2	11	110	3	1	102	8	1	7	0	1	8	1	3	14	1	3	9	0	0	0	0	5	0	3	29	7	5	12	4	0	3	0	2	1
23	2	14	23	15	16356	64	28	7	1	1	2	14	36	31	2	53	30	2	57	29	10	19	32	1	0	0	15	19	0	5	28	22	31	41	22	7	20	0	22	4
13	23	23	31	14	418	7788	28	50	16	1	11	51	60	13	11	41	54	6	319	154	45	20	12	2	0	3	44	28	3	36	125	51	23	20	16	18	45	2	32	9
84	14	18	72	28	50	11	10518	34	15	1	7	30	34	14	40	10	38	3	160	35	33	21	109	2	0	1	5	2	1	5	76	28	14	51	175	2	14	3	1	6
24	11	40	18	192	46	27	30	5055	19	5	16	25	30	21	10	2	42	12	20	133	23	23	3	4	0	0	14	55	3	4	119	24	18	26	20	8	39	0	1	3
27	18	50	13	41	99	35	66	89	9559	2	11	19	68	25	16	15	44	1	95	108	59	40	5	7	0	5	16	42	1	37	109	21	32	4041	52	38	19	1	6	16
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14	4	11	8	1282	23	15	19	277	26	11	1004	24	23	4	6	2	19	2	18	47	4	4	5	0	0	0	6	16	1	8	78	21	2	43	10	3	8	1	0	2
34	11	13	25	31	127	13	76	35	18	4	10	10260	54	11	2	10	42	0	997	72	19	13	3473	1	0	1	15	35	1	19	81	42	12	69	177	16	26	1	6	5
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21	27	34	10	20	50	18	23	24	12	0	2	29	22	7	4	8	3105	1	334	85	41	6	7	1	0	2	15	47	2	7	201	13	21	30	29	14	45	0	1	5
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5	0	14	6	3	18	10	7	19	19	9	1	11	15	6	3	3	22	5	24	1461	11	8	0	1	0	1	2	8	3	6	77	5	8	8	7	1	8	447	4	1
0	0	1	20	1	19	0	0	1	0	0	0	1	0	2	0	2	4	0	7	11	0	0	0	0	0	0	2	2	1	1	2	3	0	1	1	1	0	0	102	0
11	0	1	0	0	2	0	0	0	0	0	0	0	0	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	336

0.785184022909449

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

2052	0	0	1	1	1	0	2	0	0	0	0	0	1	1	0	0	0	0	3	0	0	1	0	0	0	0	1	3	0	0	0	2	0	2	1	0	0	0	0	1
14	362	4	41	8	31	16	14	9	9	0	3	8	6	2	5	1	39	1	628	22	77	2	1	1	0	1	52	66	3	2	64	11	8	15	59	3	38	0	1	1
19	0	2147	20	17	32	13	23	14	15	0	1	6	13	10	1	8	54	0	492	212	27	14	0	9	0	1	30	57	0	3	194	13	269	22	73	2	7	0	6	1
25	0	4	4129	13	21	5	61	8	3	0	1	7	5	7	7	4	6	0	493	36	7	8	20	0	0	0	71	10	1	0	4	5	3	20	717	0	2	0	2	0
10	0	0	8	2176	9	0	14	46	3	0	93	8	1	7	0	1	3	2	15	13	2	4	2	1	0	0	7	7	0	0	13	6	3	15	12	0	1	0	0	1
37	1	11	89	23	15591	68	43	13	4	0	5	25	34	32	4	32	21	1	444	112	22	23	27	2	0	0	49	36	0	4	49	29	14	68	117	5	16	0	34	3
34	5	14	96	21	302	6775	46	47	32	0	19	64	51	13	15	24	38	3	931	349	61	20	6	4	0	1	370	33	1	7	110	50	8	27	33	9	13	1	22	4
83	2	8	63	28	30	7	10244	13	9	0	3	6	11	13	16	8	10	0	234	38	25	20	46	3	0	2	19	2	1	0	32	19	7	43	710	1	5	1	0	3
36	1	23	57	431	35	23	46	4528	20	0	56	24	23	23	16	1	24	3	56	236	25	23	2	3	0	0	65	91	1	3	92	22	10	36	96	8	22	1	1	2
34	3	19	25	41	60	22	77	50	8117	0	15	7	42	34	18	11	26	1	224	141	48	38	1	4	0	6	70	53	0	24	57	17	13	5471	138	27	7	1	2	4
0	0	0	1	0	0	0	0	0	0	120	0	2	3	0	3	1	1	0	4	77	2	0	0	2	0	1	0	1	0	0	6	0	1	1	2	0	0	180	0	1
16	1	3	13	1398	17	11	22	95	20	1	1089	16	18	5	5	1	7	1	53	54	2	5	1	0	0	0	30	24	0	0	39	14	2	45	31	3	6	1	1	1
48	0	5	62	42	89	12	106	21	15	0	4	9041	29	16	4	9	33	0	3009	126	16	13	1732	2	0	1	25	21	0	2	63	41	6	73	1160	13	11	1	2	4
37	14	23	230	43	81	44	63	82	84	0	34	133	17302	45	11	12	63	5	3943	467	118	41	12	16	0	1	223	202	1	28	183	54	23	71	127	48	41	2	2	0
68	0	0	0	0	1	0	2	0	0	0	0	0	0	4469	0	0	0	0	0	0	0	5	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	25
6	0	1	42	5	9	4	185	10	10	0	2	2	10	10	2541	3	1	0	25	4	4	208	1	0	0	0	617	0	0	2	6	2	0	6	27	0	0	0	0	0
0	0	0	0	0	24	4	0	2	0	0	0	0	0	3	0	2696	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
35	7	16	46	33	33	15	29	21	14	0	6	21	21	7	4	7	2009	1	1214	154	71	8	3	2	1	1	62	102	0	4	172	26	14	35	106	8	6	1	7	1
0	0	2	10	3	3	3	11	7	5	0	0	1	4	0	2	2	2	318	71	59	3	3	0	1	0	1	8	13	1	0	16	5	0	5	12	0	24	0	0	0
20	0	6	32	6	25	4	12	8	7	0	2	11	11	6	1	1	9	0	5198	67	3	3	9	0	0	0	18	13	0	0	39	8	8	20	46	4	6	0	2	3
18	0	13	62	25	31	12	32	17	8	15	2	21	29	8	4	10	21	4	917	2457	23	3	2	2	0	0	43	47	0	1	67	17	13	34	112	5	13	12	3	2
37	20	24	75	31	79	33	74	52	54	0	9	17	50	15	11	5	101	2	737	162	6552	21	5	12	3	1	73	88	0	8	215	30	39	51	119	3	200	3	3	3
5	0	0	0	0	1	1	34	0	0	0	0	0	2	8	131	1	1	0	2	0	0	3229	1	0	0	0	16	0	0	0	0	0	1	3	2	0	1	0	0	0
7	0	0	2	4	1	0	8	0	1	0	0	256	0	1	0	1	0	0	70	0	0	1	3643	0	0	0	1	1	0	0	0	2	0	10	37	0	0	0	0	0
4	0	13	9	3	4	0	7	4	1	0	0	1	1	3	0	2	3	0	88	32	15	2	1	770	0	0	6	11	0	1	1	7	3	3	15	0	1	0	0	0
1	1	4	1	0	0	2	2	2	0	0	0	0	1	2	0	0	184	0	4	3	3	1	0	0	0	0	0	1	0	0	5	0	0	0	0	0	0	1	1	0
6	0	0	1	0	0	0	2	1	1	0	0	1	1	0	0	0	2	0	97	4	0	1	1	0	0	31	7	13	0	3	1	21	0	1	11	2	0	0	0	0
16	0	0	23	9	8	5	13	3	0	0	0	2	4	10	20	2	4	0	210	12	0	12	1	1	0	0	5626	7	0	0	5	9	2	14	181	1	2	0	0	1
54	0	0	7	1	1	1	3	1	2	0	0	7	1	3	1	0	1	0	100	4	1	3	4	1	0	0	7	988	0	2	1	0	0	5	20	0	3	0	0	1
8	19	0	27	7	12	10	8	9	4	0	7	13	15	6	4	1	8	3	86	73	6	2	1	0	0	0	43	42	160	10	12	6	2	2	40	5	3	0	0	1
6	3	1	38	2	12	7	10	5	7	0	5	11	5	4	4	0	1	0	155	29	10	6	2	0	0	1	72	130	1	621	10	10	1	2	22	3	2	0	1	0
69	7	97	171	101	118	69	96	98	93	0	26	70	86	37	18	13	176	13	2993	847	185	31	10	5	0	7	190	303	0	20	7512	58	22	100	360	12	106	0	9	9
58	1	3	6	12	17	5	12	6	3	0	1	6	7	23	3	5	3	1	287	53	8	6	2	0	0	13	14	19	0	0	21	3357	13	20	29	7	1	0	4	3
0	0	9	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	8	7	0	0	0	0	0	0	1	1	0	0	0	0	443	2	2	0	1	0	1	0
6	0	1	0	7	7	1	2	4	54	1	0	0	0	6	0	1	2	0	8	5	1	4	1	0	0	1	0	5	0	0	0	0	0	4907	19	1	1	0	0	0
8	0	2	8	6	13	2	15	2	0	0	0	1	6	6	4	1	6	1	10	13	4	7	1	1	0	0	6	4	0	0	8	0	1	7	2902	1	2	0	0	1
17	1	0	0	2	3	4	3	0	2	0	1	3	1	2	0	0	5	1	316	35	11	1	2	0	0	0	6	10	0	0	9	32	6	10	8	322	6	0	0	6
2	0	0	0	2	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	4	5	1	2	0	0	0	1	0	0	0	13	0	2	4	6	0	483	0	0	1
7	1	6	6	4	11	7	10	10	20	4	1	2	10	5	6	3	19	1	73	1782	12	7	0	1	0	0	14	13	1	0	41	6	4	9	19	1	0	149	1	1
0	0	0	50	2	11	0	0	0	0	0	1	1	0	2	0	1	1	0	16	12	0	0	0	0	0	0	2	0	0	0	1	2	0	1	3	1	0	0	78	0
44	0	1	0	0	0	0	0	0	0	0	0	0	0	340	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	185

0.7172988114204499

Kernel: (16, 2), RMSprop, categorical_crossentropy

1999	0	0	2	2	1	0	3	1	0	0	0	0	3	0	0	0	0	0	11	1	1	0	1	0	0	0	1	41	0	0	0	1	0	3	1	0	0	0	0	1
4	452	2	19	5	19	8	10	7	5	0	0	9	12	2	0	1	22	0	878	8	31	1	2	1	0	0	2	33	5	0	29	7	4	8	16	2	24	0	0	0
11	0	1413	13	5	18	7	12	14	11	0	0	6	22	6	0	6	55	0	1369	203	15	5	0	7	0	0	10	36	0	1	369	4	158	11	24	1	11	0	1	1
18	0	3	4137	7	22	3	65	7	5	0	0	41	19	4	2	1	6	0	955	55	4	7	36	0	0	0	14	35	1	0	10	3	3	17	217	4	4	0	0	0
7	1	0	13	2081	10	0	12	86	3	0	14	16	2	2	0	0	10	1	90	36	2	1	8	1	0	0	1	16	0	0	37	8	4	9	6	0	6	0	0	0
18	1	12	66	24	14535	52	41	11	6	0	0	39	67	12	2	13	36	3	1468	212	40	15	45	1	0	0	20	52	1	2	101	28	14	55	62	9	25	0	0	0
7	4	11	59	16	519	6149	33	44	34	0	2	79	156	7	10	7	54	3	1416	396	69	8	8	2	0	1	58	48	5	5	315	41	7	16	19	26	24	0	0	1
68	0	6	76	20	28	2	9855	16	8	1	2	26	41	4	7	3	23	0	968	98	27	12	81	3	0	1	6	14	1	0	56	16	8	43	228	3	12	1	0	1
14	3	20	55	139	39	11	47	4415	24	0	2	49	78	10	5	1	36	0	281	414	26	16	4	3	0	2	15	106	4	0	225	25	8	18	37	5	28	0	0	0
15	8	20	32	37	60	18	72	70	9378	0	4	23	131	15	8	7	59	1	885	268	102	17	3	6	0	1	20	127	4	22	215	14	8	3171	72	37	17	0	0	1
0	0	0	1	0	1	1	0	0	0	101	0	0	5	0	0	0	2	0	7	148	1	0	1	1	0	0	0	0	0	0	14	0	1	1	0	0	0	124	0	0
9	3	5	31	1414	24	10	25	242	30	0	516	57	51	1	3	0	17	0	174	146	4	3	3	0	0	0	5	52	4	4	138	16	1	31	17	6	8	0	0	1
31	0	3	34	23	57	7	56	11	13	0	1	9417	65	7	3	5	19	0	3070	65	11	7	2550	1	0	1	16	46	1	1	54	36	6	59	150	18	13	0	0	0
11	1	8	59	21	62	14	32	34	28	0	3	57	20710	26	3	7	36	0	1985	241	44	19	17	5	0	4	25	137	3	4	120	33	15	31	37	40	35	1	1	0
246	0	2	4	4	11	1	8	1	0	1	1	0	0	4035	0	0	5	1	11	32	2	6	0	0	0	3	3	3	1	0	7	98	1	9	14	5	2	0	0	56
4	3	3	129	5	19	9	335	17	28	0	0	12	56	8	2441	2	20	1	120	83	24	74	3	0	0	1	193	0	0	6	107	8	0	6	18	5	3	0	0	0
2	0	0	3	0	110	28	2	3	0	0	0	3	3	2	0	2452	3	0	67	27	4	0	1	1	0	0	1	0	0	0	5	0	3	4	0	1	12	0	3	0
10	9	10	26	12	26	6	19	16	10	0	0	23	41	4	2	4	2075	1	1415	174	53	2	6	1	1	1	17	91	2	1	161	12	10	27	36	9	10	0	0	0
0	0	0	6	2	3	0	5	6	2	0	0	1	11	0	1	2	4	287	144	33	2	1	0	0	0	1	2	13	2	0	35	2	0	3	4	0	23	0	0	0
10	1	2	17	5	10	1	4	4	4	1	0	13	19	6	0	1	4	0	5374	25	1	3	12	0	0	0	6	11	0	0	24	7	3	18	12	5	4	0	0	1
4	0	6	28	10	26	4	17	13	8	11	0	28	40	3	0	7	18	1	938	2738	16	1	3	1	0	0	6	27	1	0	59	5	8	25	31	5	17	0	0	0
7	12	15	34	17	44	15	50	32	35	0	3	19	96	9	2	0	87	3	1492	148	6078	8	6	5	0	1	8	101	0	3	312	17	30	29	43	9	247	0	0	0
3	0	1	2	5	8	1	92	1	3	0	0	0	20	5	277	0	9	1	92	17	5	2820	1	1	0	2	26	0	0	2	13	4	2	10	5	4	7	0	0	0
1	0	0	0	1	0	0	0	0	1	0	0	138	0	1	0	0	0	0	45	0	0	1	3846	0	0	0	1	2	0	0	0	1	0	6	2	0	0	0	0	0
2	0	6	7	1	1	0	6	3	0	0	0	3	6	2	0	1	1	0	186	42	18	1	2	691	0	0	1	14	0	0	0	3	3	2	8	0	1	0	0	0
1	1	1	1	0	0	0	2	1	0	0	0	0	1	1	0	0	185	0	10	5	3	0	0	0	2	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0
1	0	0	2	0	0	0	2	1	0	0	0	1	4	0	0	0	2	0	100	5	0	1	1	0	0	40	1	18	0	1	2	21	0	1	3	1	0	0	0	0
9	0	0	87	8	16	4	21	10	1	0	0	22	39	6	14	2	11	1	825	67	5	7	5	1	0	1	4789	32	1	0	25	11	1	14	150	10	8	0	0	0
6	0	0	4	1	0	0	1	2	0	0	0	6	3	2	0	0	1	0	67	5	0	2	6	0	0	1	3	1097	0	0	2	1	0	4	5	0	3	0	0	1
4	8	0	17	6	11	3	4	2	4	0	0	13	24	5	2	1	5	0	144	57	3	1	1	0	0	0	2	25	276	3	12	2	1	0	12	4	3	0	0	0
1	0	0	24	3	15	6	6	5	5	0	4	16	50	2	2	0	0	0	134	25	6	4	2	0	0	1	4	210	2	611	36	9	1	1	8	6	0	0	0	0
23	0	30	54	50	83	33	64	41	50	0	0	49	124	22	7	7	123	4	4102	647	86	18	17	1	0	3	36	185	2	1	7941	25	12	63	92	8	132	0	0	2
19	1	2	8	9	18	2	9	6	6	0	0	4	13	10	2	3	7	0	470	86	5	3	6	1	1	14	6	24	1	1	37	3180	12	21	15	21	6	0	0	0
0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	5	0	0	0	0	0	0	1	0	0	0	0	0	423	0	3	0	1	0	0	0
6	0	2	2	14	4	0	2	9	137	0	0	2	7	0	0	0	2	0	102	13	2	0	4	0	0	0	0	14	0	0	7	1	2	4686	19	6	2	0	0	0
1	0	1	25	5	12	0	27	1	0	0	0	5	10	2	2	0	8	1	94	31	4	5	3	1	0	0	3	9	0	0	15	0	3	2	2774	1	4	0	0	0
3	1	0	0	3	2	2	3	0	0	0	0	3	2	1	0	0	5	0	297	25	4	0	3	0	0	0	1	12	0	0	15	13	4	7	5	406	5	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	2	0	1	1	0	0	0	0	1	0	0	1	0	0	0	1	0	520	0	0	0
2	0	2	3	2	8	3	5	3	11	0	0	0	18	4	3	2	7	0	65	2038	9	3	0	1	0	0	2	5	1	0	39	5	3	2	4	1	0	16	0	0
0	0	0	56	1	26	0	0	0	0	0	0	1	0	2	0	0	2	0	35	15	0	0	0	0	0	0	2	0	0	0	6	2	0	0	3	1	0	0	33	0
62	0	1	1	0	3	0	0	2	0	0	1	0	3	166	0	0	2	0	0	1	1	0	0	0	0	0	1	6	0	0	5	16	0	1	0	1	0	2	0	298

0.7161536565669206

Kernel: (16, 2), Adadelta, cosine_proximity

1953	0	0	2	3	1	1	10	1	0	0	0	2	1	2	0	0	0	0	21	2	1	0	2	0	0	0	3	53	0	0	0	12	0	1	0	2	0	0	0	0
7	291	19	23	3	29	66	33	11	8	0	5	55	14	4	6	1	49	1	520	73	112	3	4	3	0	0	25	52	20	6	139	21	0	9	14	2	0	0	0	0
13	0	3052	7	5	25	12	26	9	10	0	1	24	11	12	4	11	20	1	191	153	11	13	3	3	0	0	9	13	0	2	147	10	0	12	15	0	0	0	0	0
15	1	11	3884	9	31	17	156	10	5	0	0	79	22	8	73	4	5	2	641	92	8	10	57	1	0	0	132	13	2	4	27	12	0	16	355	3	0	0	0	0
7	0	15	6	1899	16	4	28	106	3	0	230	19	2	9	5	1	4	2	11	25	1	5	15	0	0	0	0	5	0	2	38	12	0	9	3	1	0	0	0	0
17	0	48	37	12	15273	488	51	17	13	0	4	99	54	37	10	62	19	1	306	188	24	22	65	3	0	0	21	17	0	4	91	30	0	37	33	5	0	0	0	0
16	3	45	23	13	152	7929	34	30	18	0	9	129	65	16	25	30	21	4	440	277	34	14	14	3	0	0	68	12	3	9	146	47	0	17	10	3	0	0	0	0
56	1	23	39	23	32	11	10624	12	12	0	4	121	26	15	89	7	7	1	213	42	21	25	110	2	0	0	2	1	0	0	38	30	0	38	138	1	0	1	0	0
20	2	107	34	225	28	61	59	4560	22	0	63	92	45	23	35	3	23	6	37	310	21	20	8	4	0	0	23	43	1	10	195	35	0	16	26	8	0	0	0	0
23	1	112	19	36	68	55	91	64	10133	0	14	104	79	35	27	14	27	2	270	366	85	39	8	11	0	0	35	46	0	26	199	36	0	2830	59	34	0	0	0	0
0	0	3	1	0	0	1	1	0	0	0	0	4	4	1	3	1	1	0	2	116	2	0	0	3	0	0	0	0	0	0	6	1	0	1	0	0	0	258	0	0
11	1	34	6	925	12	30	28	209	37	0	1326	57	24	4	8	4	12	0	31	89	4	3	7	1	0	0	17	19	2	3	83	30	0	22	9	3	0	0	0	0
24	0	22	18	20	69	13	106	12	5	0	6	10620	32	21	7	9	13	1	801	107	15	10	3541	1	0	0	6	15	0	0	51	36	0	54	220	2	0	0	0	0
19	4	79	62	17	64	58	66	52	62	0	22	249	20249	38	20	15	38	3	1524	499	71	39	16	13	0	0	73	83	1	23	277	67	0	35	32	38	0	1	0	0
87	0	0	0	0	3	1	2	0	0	0	0	0	0	4448	1	2	1	1	0	0	0	6	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0
4	1	9	10	5	9	7	195	5	9	0	1	5	12	10	2994	3	2	0	15	8	3	216	2	0	0	0	183	0	0	5	11	8	0	4	7	0	0	0	0	0
0	0	0	0	0	34	34	0	0	0	0	0	0	0	2	0	2668	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	5	84	24	20	37	54	46	22	17	0	4	119	33	9	8	8	1803	0	1190	153	82	9	11	2	0	0	30	51	3	15	358	34	0	24	43	6	0	1	0	0
2	0	3	5	2	4	13	14	5	3	0	3	23	5	0	4	2	0	247	45	116	5	1	0	1	0	0	9	8	2	0	57	6	0	4	6	0	0	0	0	0
19	0	34	31	6	35	35	19	9	9	0	1	104	24	9	2	1	10	1	4878	141	7	5	19	0	0	0	26	22	0	7	88	21	0	18	20	7	0	0	0	0
10	0	45	27	12	30	28	50	21	13	0	1	96	38	8	10	11	13	2	669	2733	19	3	6	3	0	0	22	14	0	2	126	24	0	21	42	2	0	4	0	0
31	17	146	68	15	85	126	111	42	55	0	14	138	79	15	19	5	104	4	732	241	5943	22	7	21	0	0	37	70	1	25	731	40	0	34	36	2	0	1	0	0
1	0	2	0	0	1	1	48	0	0	0	0	0	2	7	293	1	2	0	0	1	0	3066	0	0	0	0	11	0	0	0	0	0	0	3	0	0	0	0	0	0
2	0	0	0	2	1	0	13	0	0	0	0	171	0	1	0	0	0	0	4	0	0	0	3838	0	0	0	1	0	0	0	0	2	0	6	5	0	0	0	0	0
5	0	33	6	1	3	5	9	2	1	0	0	10	4	3	0	2	1	4	51	61	16	2	1	758	0	0	4	10	0	2	1	5	0	2	9	0	0	0	0	0
1	1	6	2	0	0	3	2	1	0	0	0	3	1	2	1	1	161	0	13	6	3	1	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	2	2	6	0	0	10	2	0	0	0	2	0	66	19	0	1	1	1	0	0	2	9	0	10	4	62	0	1	4	3	0	0	0	0
11	0	5	36	10	13	26	40	3	2	0	0	22	23	13	206	2	7	0	299	63	3	28	3	1	0	0	5123	6	0	3	30	26	0	14	183	2	0	0	0	0
13	0	1	6	1	4	4	4	2	3	0	0	26	3	5	1	0	2	0	197	15	4	3	7	1	0	0	4	883	0	8	9	4	0	4	6	3	0	0	0	0
5	5	3	12	4	8	45	6	5	4	0	7	45	23	6	8	1	6	5	25	119	4	2	2	1	0	0	20	15	212	10	24	8	0	0	11	4	0	0	0	0
2	2	8	10	1	15	25	8	8	7	0	6	39	11	4	7	0	4	2	183	43	7	7	2	0	0	0	22	27	5	683	29	24	0	0	8	0	0	0	0	0
45	1	350	70	63	98	147	155	74	74	0	20	243	102	46	26	16	120	14	1882	833	107	29	22	5	0	0	73	111	0	14	9145	70	0	57	114	11	0	0	0	0
31	0	25	5	10	22	16	11	9	8	0	1	25	12	22	5	7	3	0	95	76	8	6	5	0	0	0	10	19	1	0	36	3525	0	13	14	9	0	0	0	0
0	0	398	0	0	4	0	2	0	0	0	0	0	1	1	0	1	0	0	30	36	1	1	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0
7	0	11	4	13	15	2	4	9	320	0	0	7	6	6	0	1	3	1	20	26	3	5	16	0	0	0	0	12	0	0	7	1	0	4531	10	5	0	0	0	0
7	0	21	39	7	28	3	133	6	1	0	0	94	12	8	11	1	8	0	49	54	12	8	37	1	0	0	11	4	0	1	36	8	0	10	2439	0	0	0	0	0
23	0	9	0	2	2	6	2	1	2	0	1	17	4	5	0	0	7	0	233	62	14	1	8	0	0	0	4	27	0	1	24	93	0	6	6	265	0	0	0	0
4	1	7	3	3	3	11	3	1	2	0	0	9	5	0	2	2	0	14	37	53	169	1	2	0	0	0	5	7	0	0	173	2	0	3	7	2	0	0	0	0
5	0	20	6	3	10	15	19	6	17	0	1	20	12	6	9	3	8	0	46	1860	8	6	2	2	0	0	3	3	2	0	80	9	0	4	5	0	0	77	0	0
0	0	1	45	1	68	12	0	1	0	0	2	6	0	2	0	1	2	0	11	20	0	0	0	0	0	0	2	0	0	0	4	4	0	1	1	1	0	0	0	0
28	0	1	0	0	1	0	0	0	0	0	0	0	0	526	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	2	0	0	0	0

0.7505330914998366

Kernel: (16, 2), Adam, categorical_hinge

0	0	0	0	0	0	0	0	0	0	0	0	0	0	2073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	5705	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	2483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	17088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	9659	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	11765	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	6165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	14948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	409	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	15857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	23909	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3743	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	2740	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	595	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	5608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	9017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	6203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	655	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	14137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	5045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	2267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.022572460704122832

Kernel: (16, 2), Adamax, cosine_proximity

2046	0	0	1	1	1	0	1	1	0	0	0	0	2	1	0	0	0	0	5	0	0	0	1	0	0	0	0	9	0	0	0	2	0	2	0	0	0	0	0	0
19	476	5	30	6	28	17	24	7	10	0	2	14	21	2	5	1	47	3	549	14	76	2	3	1	0	0	13	28	2	1	82	6	7	18	27	3	79	0	0	0
19	1	2449	14	6	29	11	28	16	14	0	0	13	23	9	6	9	62	1	411	84	26	11	1	4	0	0	6	22	0	2	261	8	217	24	27	0	10	0	1	0
28	2	6	4063	10	19	6	114	11	4	0	0	38	22	7	12	4	7	2	782	29	10	7	45	1	0	2	26	17	1	1	19	6	3	21	368	2	8	0	2	0
11	0	5	10	2053	14	3	23	89	5	0	94	15	3	8	0	1	9	4	23	10	3	4	9	1	0	0	0	6	0	1	38	7	5	20	4	0	5	0	0	0
40	2	20	93	21	15067	225	61	16	11	1	6	64	78	32	9	30	39	7	660	58	33	21	66	1	0	2	25	30	0	6	134	28	15	82	61	4	36	0	4	0
27	19	29	56	15	163	7294	44	44	46	0	12	87	100	14	29	18	66	12	756	146	66	11	12	3	0	1	74	24	3	10	334	40	14	29	19	8	30	0	4	0
77	4	11	46	19	28	10	10659	15	12	2	3	22	40	9	24	7	16	1	266	7	26	21	90	3	0	1	1	2	1	0	41	20	7	49	211	0	13	1	0	0
39	10	46	46	233	33	29	62	4682	23	0	15	45	55	21	27	2	49	22	61	146	28	18	5	4	0	0	18	61	2	3	215	22	10	39	49	6	39	0	0	0
41	5	33	13	30	44	23	80	37	8462	1	7	18	74	30	22	11	27	1	166	61	50	33	4	3	0	1	19	19	0	18	98	6	15	5405	55	22	14	0	0	0
0	0	1	2	0	1	0	1	0	0	65	0	2	5	0	3	0	3	0	5	74	6	0	1	2	0	1	0	0	0	0	16	0	3	1	2	0	1	214	0	0
18	8	17	16	1197	18	20	35	218	39	3	1007	35	30	4	10	0	20	6	66	39	3	2	6	0	0	0	12	20	1	2	103	18	1	55	14	2	6	0	0	0
40	5	5	18	30	68	14	123	21	14	0	2	9788	63	16	2	8	43	1	1766	48	16	8	3138	1	0	0	5	15	1	0	85	26	6	75	382	6	17	0	1	0
36	6	24	64	20	51	33	56	46	48	0	6	81	20965	39	15	11	50	9	1567	85	63	36	16	5	0	3	34	72	1	12	187	39	27	74	41	21	64	1	1	0
176	0	0	0	0	2	0	2	0	0	0	0	0	0	4370	0	1	1	0	0	0	0	5	0	0	0	1	0	0	0	0	0	14	0	1	0	0	0	0	0	0
7	1	4	35	5	8	5	345	7	21	0	0	3	17	9	2996	2	6	0	26	4	7	64	2	0	0	1	123	1	0	3	19	5	0	5	12	0	0	0	0	0
0	0	0	0	0	63	38	0	1	0	0	0	0	0	3	0	2628	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0
28	20	28	25	15	31	17	34	18	15	3	1	26	32	9	7	7	2321	1	1096	45	79	6	10	1	0	2	20	34	0	1	259	12	13	37	53	4	12	0	1	0
2	0	2	4	1	3	2	12	3	6	0	1	2	7	0	4	2	2	364	45	33	2	1	0	1	0	2	2	8	0	0	37	2	0	5	11	0	29	0	0	0
22	2	8	23	6	20	9	15	10	12	0	1	34	23	9	1	1	13	0	5150	38	4	3	17	0	0	0	7	13	0	1	80	9	9	24	27	5	12	0	0	0
21	0	25	47	19	42	18	61	25	16	35	0	49	56	9	8	8	30	19	1004	2067	39	3	4	2	0	1	18	36	1	1	244	16	24	40	73	3	35	6	0	0
45	44	37	56	17	64	32	92	37	68	0	7	48	88	14	10	5	145	8	605	63	6486	19	6	6	0	2	10	31	0	5	387	25	39	55	51	4	404	1	1	0
4	0	0	0	0	1	0	74	0	0	0	0	0	5	8	407	1	2	0	1	0	0	2924	1	0	0	1	4	0	0	0	0	0	1	4	0	0	1	0	0	0
3	0	0	1	1	1	0	6	0	1	0	0	154	1	1	0	0	0	0	13	0	1	0	3848	0	0	0	1	0	0	0	0	0	0	8	6	0	0	0	0	0
10	0	22	12	2	4	1	8	3	6	0	0	4	7	2	1	2	5	3	123	30	36	1	2	688	0	0	4	10	0	0	2	6	2	5	9	0	1	0	0	0
2	1	4	0	0	0	1	2	1	0	0	0	0	1	1	0	1	181	0	10	3	2	1	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1	0	0	0
3	0	0	0	0	0	0	2	1	5	0	0	2	2	0	0	0	2	0	84	3	0	1	1	0	0	47	1	14	0	0	5	26	0	1	7	1	0	0	0	0
26	2	2	73	10	13	14	41	6	3	0	0	10	30	10	125	2	11	2	696	28	2	11	3	1	0	1	4752	10	0	1	33	17	3	17	241	1	6	0	0	0
33	0	0	6	1	1	2	3	1	2	0	0	12	3	3	1	0	2	0	116	3	1	3	8	0	0	1	2	991	0	2	6	1	0	5	10	0	4	0	0	0
10	29	0	21	7	11	15	7	8	8	0	5	22	28	6	6	1	10	19	63	64	5	2	1	0	0	1	7	22	196	8	32	4	2	0	22	6	7	0	0	0
7	9	3	25	2	10	11	10	6	8	0	5	26	18	3	3	0	7	3	190	15	10	6	2	1	0	3	6	103	1	634	44	10	2	4	8	2	2	0	0	0
71	11	113	99	62	95	63	136	74	92	0	9	102	136	39	17	12	210	21	2158	294	128	27	23	3	0	3	56	99	0	5	9457	29	19	107	154	5	208	0	0	0
70	1	11	4	11	20	7	12	6	5	0	2	14	16	16	4	6	7	5	219	27	10	6	8	0	0	24	5	18	0	1	60	3354	14	28	24	7	6	0	1	0
0	0	13	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	7	2	0	0	0	0	0	0	1	0	0	0	0	0	449	2	0	0	1	0	0	0
6	0	2	0	5	5	1	2	3	71	1	0	1	4	6	0	1	2	0	6	1	1	4	1	0	0	0	0	1	0	0	3	1	0	4911	5	0	1	0	0	0
13	0	6	35	8	24	2	69	2	2	0	0	13	13	5	4	0	10	0	48	16	7	7	10	1	0	1	7	5	0	0	29	3	4	16	2677	1	11	0	0	0
40	2	0	0	2	4	6	3	0	3	0	1	6	3	5	0	0	8	1	303	18	17	1	3	0	0	0	3	3	0	1	27	35	6	14	8	293	9	0	0	0
4	0	2	1	2	0	1	2	0	1	0	0	0	2	0	0	1	0	0	0	3	5	1	2	0	0	0	0	0	0	0	20	0	1	4	2	0	477	0	0	0
8	0	17	12	3	13	10	19	14	22	12	0	16	32	6	13	3	25	5	102	1583	14	5	0	1	0	2	4	5	2	0	184	5	7	9	10	1	5	98	0	0
0	0	0	67	1	20	1	0	1	0	0	2	3	0	2	0	0	4	0	17	8	1	0	0	0	0	0	2	0	0	1	7	2	0	1	1	1	0	0	43	0
132	0	1	0	0	0	0	0	0	0	0	0	0	0	436	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0

0.7468063895990876

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5705	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9659	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11765	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	409	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23909	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3743	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2740	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	595	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	655	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.018475557264303 04

Kernel: (16, 2), Nadam, categorical_hinge

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2073	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1628	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3825	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5705	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2483	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17088	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9659	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11765	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6165	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14948	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	409	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3051	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15857	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23909	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4573	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3743	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2740	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4323	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	595	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5608	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4105	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9017	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3439	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4046	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1011	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6203	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1223	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	655	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1199	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14137	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4029	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	479	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5045	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3049	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	825	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	531	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2267	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	573	0	0	0	0

0.00407222400776070 46

Kernel: (16, 2), Nadam, logcosh

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.00499032540416382 95

ARat_2017_06_01__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

1184	1	55	0	3	2	0	0	0	2	1	0	2	0	1	0	2	4	0	3	0	128	0	0	3	1	3	2	0	1	0	0	1	3	0	3	1	0	0	2	0
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0	1	2	2859	1	8	0	0	0	9	2	0	4	0	2	0	3	31	2	6	0	11	1	0	8	0	2	0	0	6	3	0	1	6	0	2	1	0	0	6	8
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3	34	32	9	13	14683	0	0	4	64	3	0	22	1	9	0	13	38	703	43	0	96	12	0	19	5	19	1	1	16	6	9	42	32	0	17	19	0	0	7	44
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3	7	6	0	2	3839	0	0	2	17	1	0	5	0	4	0	1	11	2546	12	0	11	4	0	3	1	14	0	0	10	1	5	10	3	0	3	2	0	0	0	6
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9	4	44	2	0	35	0	0	0	33	2	0	8	2	3	0	7	17	2	13	0	6449	10	0	6	0	14	3	1	8	1	1	19	7	0	6	3	0	0	17	53
2	16	65	6	3	141	2	0	6	76	7	0	5	6	1	0	4	11	16	62	0	108	7380	0	99	6	8	2	5	32	5	2	53	16	0	7	6	0	0	31	74
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3	0	3	0	1	2	0	0	0	0	0	0	1	0	1	0	2	2	0	2	0	15	1	0	3	0	0	306	0	1	1	1	2	0	0	2	1	0	0	0	2
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1	5	10	2	2	21	0	0	1	22	3	0	4	0	6	0	2	19	8	19	0	30	6	0	10	0	18	0	0	4181	1	7	1	7	0	4	5	0	0	12	12
2	4	22	3	6	15	0	0	2	27	0	0	3	0	3	0	0	9	2	25	0	20	16	0	23	4	8	0	2	10	532	11	3	2	0	4	6	0	0	1	20
1	5	9	4	333	13	0	0	1	20	0	0	2	0	4	0	3	10	6	6	0	10	1	0	9	1	9	1	0	1	4	1298	2	5	0	8	6	0	0	4	11
2	19	57	9	2	144	0	0	6	63	16	0	14	0	12	0	9	39	22	1366	0	116	32	1	52	8	203	3	1	23	5	5	8791	18	0	10	10	0	0	215	44
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0	62	31	0	0	41	0	0	99	52	0	0	31	0	59	0	0	4	0	18	0	3	26	0	19	75	0	0	90	26	17	21	3	3	0	3	107	0	0	1	38
3	1	22	4	7	15	0	0	1	16	0	0	4	0	7	0	2	12	1	19	0	15	5	0	4	4	8	0	2	14	2	10	7	8	0	1932	11	0	0	2	13
2	2	7	1	2	4	0	0	1	10	0	0	2	0	0	0	0	2	2	3	0	10	1	0	4	1	5	0	0	3	3	3	4	3	0	2	1061	0	0	1	5
0	1	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	1	0	0	0	63	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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1	8	25	3	1	46	0	0	3	26	2	0	7	0	1	0	5	13	3	125	0	27	9	1	10	1	10	0	0	20	1	2	210	14	0	7	1	0	0	7046	19
1	2	62	3	2	16	0	0	3	22	0	0	6	0	5	0	3	14	2	10	0	20	5	0	8	2	10	0	0	9	3	2	9	4	0	2	3	0	0	5	2144

0.8265060680131179

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

1249	0	10	0	4	2	1	0	2	2	1	0	4	0	2	0	85	3	0	3	0	23	0	0	3	2	2	1	0	1	1	0	0	1	0	3	3	0	0	0	0
2	1910	0	3	1	4	0	0	2	9	1	0	5	0	2	1	1	8	0	4	0	5	2	0	4	0	0	1	9	1	1	0	2	2	0	0	0	0	0	4	1
21	4	2229	6	5	34	2	0	3	34	0	1	12	0	9	3	12	16	3	19	0	23	8	1	63	2	9	1	2	18	9	5	2	3	0	18	4	0	0	7	50
1	1	2	2863	3	4	0	0	1	14	2	0	5	0	2	0	3	39	2	5	0	5	0	1	11	0	1	0	0	4	3	0	1	3	0	2	1	0	0	4	2
0	0	1	0	1580	1	1	0	0	7	0	0	2	0	1	0	1	4	0	0	0	2	0	2	1	0	3	0	0	1	1	61	0	1	0	3	8	0	1	2	1
8	28	12	10	21	14891	4	0	6	71	3	1	35	1	10	8	36	58	442	45	0	58	13	2	47	7	17	3	11	30	5	4	32	25	3	26	29	1	3	7	6
0	0	0	0	0	0	413	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	2	1	0	1	2	0	0	1283	3	0	0	3	0	4	0	0	2	0	0	0	2	1	1	2	5	2	0	0	0	0	1	0	1	0	0	1	0	0	0	0
2	3	8	0	9	20	2	0	11	6010	0	0	11	0	2	0	7	17	6	13	0	15	3	0	78	3	18	1	31	9	3	2	1	7	5	4	3	0	0	4	4
2	0	0	0	1	1	0	0	0	0	814	2	1	1556	0	0	0	0	4	0	0	0	22	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	1	0
0	0	0	0	0	1	0	0	0	0	2	494	0	2	0	1	0	1	0	0	0	5	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0
2	0	4	1	10	7	8	0	0	8	1	0	4274	0	2	1	0	8	2	6	0	3	0	2	3	0	1	0	1	3	1	0	0	4	0	3	2	0	0	2	0
0	0	1	3	3	11	2	0	0	8	27	2	2	2443	2	0	4	11	2	4	0	2	1289	1	3	0	0	1	1	9	0	0	5	3	1	2	0	1	0	8	2
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0	0	2	0	0	5	16	0	0	3	0	1	12	1	3	869	1	3	1	4	0	2	1	0	3	0	3	0	0	0	1	0	2	0	1	0	1	0	0	2	2
1	1	2	0	0	2	0	0	0	5	0	0	2	0	0	0	1413	7	1	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	0	0
1	3	7	3	9	13	2	0	5	25	0	1	14	0	3	2	3	10047	2	11	0	8	1	1	2	5	3	1	3	7	0	2	0	1	1	3	3	0	2	6	4
1	6	2	1	4	4583	1	0	2	20	1	0	10	2	5	4	5	18	1781	14	0	8	5	2	9	1	11	1	2	15	1	3	5	2	0	3	1	0	0	0	0
18	23	40	22	18	179	7	0	26	130	5	3	33	6	17	17	41	104	21	9546	1	81	147	0	242	14	143	1	9	71	29	26	349	19	7	26	24	1	6	47	30
0	2	18	0	1	8	1	0	2	3	0	0	2	0	0	0	0	3	0	1	0	195	0	0	3	0	0	0	0	4	0	1	1	0	0	0	0	0	0	1	37
38	5	34	4	6	54	3	0	3	63	2	1	16	2	5	3	33	28	2	30	0	6237	14	1	61	1	17	7	1	16	7	0	14	7	3	17	9	0	0	18	17
3	11	19	5	3	119	2	0	6	68	4	2	5	27	2	5	27	17	12	69	0	41	7299	1	329	5	9	1	7	55	1	2	31	9	6	14	10	1	2	26	8
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10	6	23	13	3	82	3	0	13	160	3	0	13	1	10	2	15	37	12	27	0	17	20	3	5270	10	17	3	25	37	17	9	13	25	1	12	15	0	1	22	11
2	0	2	3	1	3	0	0	2	18	1	0	3	0	4	0	1	3	0	2	0	1	1	1	3	1108	2	0	2	3	0	4	0	0	0	8	1	0	0	0	0
0	0	2	3	4	8	1	0	3	16	0	2	3	0	2	5	5	9	4	160	0	6	1	0	8	0	2483	0	1	2	3	2	129	4	1	2	10	0	3	8	1
4	0	2	0	1	2	0	0	0	1	0	0	1	0	0	1	41	2	0	2	0	2	0	0	4	0	0	282	0	1	1	1	1	0	0	2	1	0	0	0	0
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1	2	4	3	4	21	4	0	1	24	2	4	5	0	3	0	2	23	3	18	0	15	1	0	17	1	13	1	5	4206	1	4	0	5	2	6	6	0	0	9	3
3	4	7	4	13	10	0	0	4	33	0	0	8	0	2	0	2	11	2	12	0	4	14	38	43	2	5	0	4	13	520	5	1	2	0	5	12	0	0	1	1
1	4	4	4	849	12	0	0	3	30	0	0	4	0	5	0	4	17	6	4	0	4	0	2	12	1	8	1	1	2	2	780	0	4	0	8	11	0	1	2	1
11	27	40	13	7	151	0	0	26	72	10	17	20	2	19	13	57	77	19	2229	0	69	51	1	180	10	205	7	9	35	12	15	7569	19	0	24	18	0	4	270	9
0	1	1	4	2	4	0	0	1	16	1	1	3	0	1	0	0	8	5	1	0	5	1	0	22	0	5	0	0	5	0	0	0	3385	2	1	0	0	0	4	0
0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	823	0	0	0	0	0	0
3	1	8	4	10	13	0	0	1	16	0	0	6	0	6	0	5	17	1	8	0	4	5	1	6	6	8	1	4	16	3	6	2	4	0	1960	24	0	0	1	1
0	2	0	1	3	3	0	0	3	7	0	0	2	0	0	0	0	2	1	0	0	2	0	2	2	0	4	0	1	3	0	2	0	1	0	2	1099	0	1	1	0
0	1	0	0	1	1	0	0	0	3	0	0	1	0	0	0	0	1	0	1	0	56	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	4	0	0	1	3	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	571	79	0
3	10	14	9	1	44	1	0	15	35	2	1	13	0	2	5	20	32	3	127	0	18	11	0	37	1	10	1	2	23	3	5	135	9	3	13	4	2	35	6994	4
2	5	125	6	5	48	3	0	10	45	0	0	8	2	8	1	7	19	2	31	0	20	18	0	87	4	8	2	5	37	14	9	7	4	1	13	15	0	1	5	1800

0.8414617049853834

Kernel: (4, 2), Adamax, cosine_proximity

1302	1	30	0	3	5	0	0	1	2	1	0	4	0	1	0	11	6	1	6	0	16	0	0	1	2	1	2	0	0	0	0	2	1	0	3	3	0	1	2	0
1	1901	1	3	1	7	1	0	1	4	1	0	6	0	0	1	1	12	1	6	4	2	1	0	2	0	0	1	2	1	2	2	9	2	0	1	0	0	0	5	3
15	3	2340	5	4	27	2	0	2	24	0	1	11	0	5	1	5	14	3	17	4	14	5	0	9	2	4	1	0	4	10	4	9	2	0	12	2	0	0	9	68
0	1	2	2896	1	3	0	0	0	6	2	0	4	0	1	0	1	34	2	5	0	4	0	0	6	0	1	0	0	0	2	1	1	3	0	2	0	0	0	4	3
0	0	2	1	1419	2	1	0	0	9	0	0	3	0	1	0	0	5	0	1	1	2	1	2	0	0	1	0	0	0	1	220	0	1	0	4	3	0	1	3	1
7	28	26	14	15	14598	3	0	2	52	5	0	33	0	6	8	14	58	836	53	2	59	16	1	9	7	10	3	3	6	6	10	50	19	3	21	7	0	3	9	17
0	0	0	0	0	0	410	0	0	0	0	0	4	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	3	5	0	1	8	0	0	1251	7	0	0	3	0	3	0	0	4	0	1	0	2	1	0	2	4	3	0	0	0	7	2	2	2	0	0	0	0	2	3	1
3	7	15	5	5	31	2	0	4	6014	0	0	11	0	2	0	3	20	8	37	2	15	9	0	49	1	14	1	2	4	3	7	3	9	5	4	1	0	3	5	8
2	1	0	0	0	1	0	0	0	1	1232	1	0	1114	0	0	0	1	8	0	0	0	39	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	1	3	0
0	0	0	0	0	1	0	0	0	0	8	476	0	1	0	1	0	1	0	0	1	4	7	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	1	7	0
3	1	12	3	7	7	4	0	0	13	1	0	4254	0	1	1	0	6	3	10	2	4	0	0	2	1	0	0	1	1	1	5	0	2	0	6	2	0	0	6	0
0	0	3	7	2	18	2	0	0	8	87	2	2	1827	1	1	3	17	3	6	1	1	1818	1	2	0	0	1	0	8	0	1	6	4	1	2	0	0	1	14	3
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11	1	3	2	0	3	0	0	0	7	0	0	1	0	0	0	1372	10	2	1	0	7	0	0	2	0	0	1	0	1	1	1	2	3	0	5	0	0	0	4	1
1	2	10	11	5	16	0	0	3	22	0	1	16	0	2	1	1	10040	4	18	2	8	1	0	1	4	1	1	2	3	2	1	1	1	0	8	1	0	3	8	3
1	4	6	2	3	3589	1	0	1	14	1	0	8	1	4	3	3	17	2800	15	0	4	3	1	1	1	8	0	0	4	1	3	20	2	2	3	1	0	1	0	1
13	15	67	20	10	165	5	0	13	88	5	3	26	4	11	11	13	78	36	9739	4	49	94	0	46	8	40	0	2	9	20	31	710	18	4	21	10	0	6	83	52
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53	6	49	9	3	107	3	0	1	60	3	2	18	1	4	5	14	32	4	42	12	6128	14	0	24	0	10	4	1	9	9	4	33	8	3	13	3	0	0	28	60
5	13	56	14	3	401	3	0	4	98	8	3	10	8	1	5	13	29	24	182	0	42	6839	1	216	4	4	2	3	24	30	7	87	12	6	20	1	0	2	52	31
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11	12	78	17	3	147	3	0	10	247	3	0	17	1	9	3	6	43	22	76	1	26	54	2	4832	10	12	5	2	12	38	25	57	30	1	22	11	0	2	54	57
2	0	7	4	1	6	0	0	0	18	1	0	2	0	5	0	0	3	0	3	0	1	2	1	1	1096	1	0	2	1	0	5	2	0	0	10	0	0	0	0	5
0	1	4	4	5	11	1	0	2	17	0	2	3	0	1	5	4	10	5	408	2	5	0	0	4	0	1769	0	0	1	1	3	581	3	1	4	5	0	4	24	1
6	0	2	0	1	2	0	0	0	0	0	0	3	0	1	2	6	2	0	3	0	3	0	0	2	0	0	307	0	1	1	1	4	0	0	2	1	0	0	0	2
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4	4	18	6	2	38	4	0	1	54	2	4	9	0	6	1	2	34	12	83	3	23	15	0	26	0	9	0	1	3976	5	11	3	8	3	9	3	3	2	19	16
3	2	14	4	9	20	0	0	2	34	0	0	6	0	2	0	0	11	2	25	0	5	18	12	10	1	2	0	2	4	547	14	9	2	0	6	6	0	0	6	7
1	6	4	4	457	13	0	0	1	26	0	0	3	0	4	0	2	18	6	4	0	4	1	2	3	1	5	1	0	0	2	1194	2	4	0	11	0	0	2	3	3
6	15	49	13	3	124	0	0	4	54	11	19	18	0	12	9	12	61	25	1368	5	34	20	0	32	5	35	1	1	8	6	7	8996	13	0	12	3	0	7	311	18
1	1	7	3	2	8	0	0	0	23	1	1	4	0	1	0	0	10	8	1	0	5	3	0	11	0	4	1	0	1	1	3	2	3361	1	4	0	0	1	7	3
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2	3	14	1	6	17	0	0	2	15	0	0	5	0	0	0	2	6	2	11	0	9	3	1	7	1	4	0	0	3	3	11	3	1	0	11	992	0	2	3	4
0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	0	0
0	1	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1	0	0	580	77	0
0	7	11	5	1	33	1	0	2	23	2	0	10	0	1	4	3	26	3	98	3	7	1	0	3	0	3	0	1	4	3	2	168	5	1	8	0	0	78	7120	10
2	2	126	6	3	38	2	0	3	29	0	0	8	0	6	0	3	19	2	21	2	10	8	0	17	2	5	0	1	7	7	8	18	3	0	9	4	0	1	6	1999

0.8486597264645906

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

1242	1	18	0	1	1	0	0	2	2	1	0	4	0	1	1	27	2	0	2	0	77	0	0	3	2	3	6	0	0	1	1	1	1	0	2	3	0	0	2	1
1	1910	3	2	1	4	0	0	3	9	1	0	3	0	0	2	3	7	0	4	0	10	2	0	3	0	0	1	2	0	2	1	2	2	0	1	0	0	0	4	2
17	4	2307	12	2	18	0	0	6	26	0	1	9	0	7	3	9	10	1	11	0	37	5	0	14	1	10	1	0	4	9	2	5	3	0	11	2	0	0	10	81
0	0	2	2942	0	1	0	0	1	4	2	0	1	0	1	0	2	5	1	3	0	4	0	0	6	0	1	0	0	0	0	0	1	3	0	2	0	0	0	3	0
0	0	6	5	1231	12	0	0	3	15	0	0	6	0	1	0	2	3	0	0	1	7	1	1	4	0	5	0	0	0	6	350	0	2	0	8	10	0	1	1	4
8	25	30	24	7	14892	0	0	10	79	4	3	29	0	6	15	27	35	414	47	3	98	22	1	31	6	19	7	1	5	8	6	48	28	3	26	18	0	3	8	23
0	0	0	0	0	0	0	0	0	2	0	0	179	0	0	226	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	150	0
0	2	1	0	0	1	0	0	1291	2	0	0	3	0	3	0	0	0	0	0	0	0	0	0	1	5	2	0	0	0	3	0	0	1	0	0	1	0	0	0	1
2	2	11	6	2	16	0	0	10	6049	0	0	7	0	2	4	4	10	4	12	0	26	7	0	52	2	27	4	2	1	5	6	3	9	5	3	3	0	0	8	8
2	0	0	0	0	1	0	0	0	1	1026	3	1	1331	0	0	0	0	0	4	0	0	0	0	0	33	0	0	0	0	0	1	2	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	1	499	0	0	0	1	0	0	0	0	0	5	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	4	0
2	1	6	11	1	4	0	0	0	14	1	0	4277	0	0	2	0	0	2	1	0	6	0	1	3	0	4	0	0	0	2	1	0	5	0	6	2	0	0	5	2
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0	1	4	3	6	1	0	0	5	4	0	0	6	0	2165	0	4	1	0	1	0	3	1	0	0	14	2	0	0	0	3	2	0	0	1	6	4	0	0	1	3
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3	4	19	85	6	39	0	0	15	86	0	1	22	0	6	5	4	9699	5	34	0	32	6	1	25	6	11	1	3	4	14	7	1	5	0	15	4	0	3	15	18
2	7	5	4	2	4444	1	0	4	24	1	0	11	1	5	6	2	9	1911	9	0	17	8	1	9	2	14	2	0	2	2	0	13	2	0	4	1	0	0	2	2
19	25	66	42	7	157	0	0	40	132	5	5	31	4	13	34	31	38	20	8878	0	198	192	0	86	12	261	25	2	6	37	19	860	24	3	25	13	0	5	141	73
0	1	16	0	0	3	0	0	1	2	0	0	2	0	0	0	0	1	0	0	0	213	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	1	39
20	4	29	9	0	25	0	0	5	44	2	1	12	2	2	4	16	14	1	12	0	6436	11	0	6	0	16	8	1	3	4	1	16	6	2	8	4	0	0	24	31
4	10	26	15	3	93	0	0	13	81	6	3	6	13	1	8	14	9	10	42	0	92	7569	0	67	5	11	6	1	9	4	2	45	9	5	10	3	0	2	40	26
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11	5	43	28	1	76	0	0	20	302	3	0	14	1	9	4	10	22	14	36	0	47	42	2	5005	8	32	13	2	6	23	3	29	34	0	20	10	0	1	52	33
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4	0	2	0	0	1	0	0	0	1	0	0	1	0	0	2	5	2	0	1	0	5	1	0	2	0	0	319	0	1	2	0	1	0	0	1	1	0	0	0	0
2	0	3	1	1	2	0	0	1	13	2	0	0	2	2	0	2	0	1	4	0	2	4	0	14	0	1	1	1416	0	0	0	1	1	0	2	0	0	0	1	0
4	4	32	8	0	36	0	0	13	81	2	4	10	0	4	5	4	23	9	69	0	79	46	0	82	3	29	6	1	3728	24	12	9	10	2	13	8	0	0	25	34
4	1	10	8	1	16	0	0	2	27	0	1	7	0	3	0	0	6	1	13	0	12	20	3	27	3	5	1	2	1	571	7	1	2	0	6	7	0	0	6	11
4	3	12	7	271	19	0	0	3	46	0	0	11	0	4	0	9	12	5	6	0	12	3	1	18	3	12	5	0	0	13	1249	2	4	0	24	10	0	1	4	14
11	16	43	23	2	111	0	0	20	68	7	22	20	2	12	9	25	36	17	929	0	94	49	0	59	9	284	19	1	5	10	8	8889	17	0	16	7	0	1	442	34
0	0	2	5	1	7	0	0	0	14	1	1	4	0	1	0	0	6	3	1	0	6	2	0	12	0	5	1	0	0	0	0	0	3398	1	2	0	0	0	5	1
0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	823	0	0	0	0	0	0
2	2	9	5	3	12	0	0	3	15	0	0	5	0	3	0	3	8	0	9	0	6	6	1	7	4	8	4	3	2	2	2	1	6	0	2007	9	0	0	1	3
0	2	3	3	2	7	0	0	7	10	0	0	3	0	0	0	1	1	1	0	0	6	1	1	7	0	6	0	0	1	2	1	0	1	0	5	1066	0	1	1	5
0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	67	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	1	0	0	3	0	0	1	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	1	0	1	0	0	519	132	0
2	8	11	10	1	29	0	0	19	30	2	1	6	0	1	4	4	13	2	69	0	16	10	0	7	0	12	4	0	2	4	0	117	7	2	9	3	0	21	7213	8
2	1	102	10	2	25	0	0	7	33	1	0	6	0	6	2	3	14	1	14	0	28	6	0	18	3	9	5	0	4	9	2	9	4	1	5	4	0	1	12	2028

0.8438330805142561

Kernel: (16, 2), RMSprop, categorical_crossentropy

1245	1	51	1	3	6	0	1	2	3	1	1	2	0	2	1	6	5	0	4	0	30	2	0	4	3	6	3	0	0	3	1	9	4	0	2	3	0	0	3	0
1	1881	6	2	0	9	0	0	4	9	1	0	3	0	2	2	1	7	1	10	2	4	2	0	2	0	1	1	0	1	6	1	17	2	0	0	0	1	0	4	2
10	2	2337	9	3	21	1	0	3	18	0	1	8	0	6	0	3	11	3	16	5	19	6	0	9	1	16	1	0	4	12	2	19	5	0	3	2	0	0	11	71
0	0	2	2937	0	1	0	0	2	4	1	1	2	0	1	0	2	9	2	2	0	2	0	0	1	0	4	0	0	0	0	0	1	3	0	2	0	0	0	5	1
0	0	6	4	1419	4	1	0	0	10	0	1	2	0	0	0	0	5	0	1	2	2	0	4	1	0	5	0	0	0	2	198	2	2	0	3	5	0	1	2	3
5	17	43	17	11	13922	2	2	5	67	3	4	21	0	9	16	11	52	1348	87	5	53	12	1	19	5	38	3	1	10	17	10	112	30	1	11	9	1	4	10	25
0	0	0	0	0	0	392	0	0	1	0	0	4	0	0	17	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
0	0	2	0	1	0	0	0	1277	2	0	0	2	0	3	0	0	2	0	2	0	0	0	0	1	7	4	0	0	0	7	1	4	1	0	0	0	0	0	1	0
3	2	16	6	3	17	1	0	7	6027	0	0	7	0	3	2	3	15	5	27	2	12	2	0	51	3	35	2	0	5	6	6	6	12	5	2	2	0	0	8	9
2	0	0	0	1	3	0	0	0	6	1140	4	1	1094	0	0	0	0	9	3	0	0	127	0	0	0	0	0	1	0	0	0	10	1	0	0	0	0	0	6	0
0	0	0	0	0	1	0	0	0	0	0	504	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0
1	0	13	8	5	9	4	0	1	15	1	0	4228	0	6	2	0	6	6	12	2	3	0	3	4	1	7	0	0	1	3	4	0	3	0	3	2	0	0	6	0
0	0	4	12	0	12	1	0	1	12	122	2	2	924	1	0	3	14	3	10	1	3	2651	1	5	1	0	1	1	7	0	1	23	4	1	1	0	0	0	25	4
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7	2	8	3	0	5	0	0	0	10	0	0	1	0	3	0	1340	7	3	3	0	11	2	0	1	0	1	10	0	1	3	0	9	3	0	2	1	0	0	5	0
2	3	17	31	6	19	0	0	8	40	0	0	14	0	4	2	1	9937	5	27	6	8	1	1	3	3	12	2	1	3	4	2	10	2	0	2	1	0	4	15	8
2	5	11	3	2	2821	1	0	2	16	1	0	6	0	4	4	1	15	3536	19	0	6	1	1	3	2	17	1	0	4	7	2	25	3	0	3	1	0	1	0	3
9	13	56	34	4	95	1	0	12	88	4	4	13	1	9	13	11	51	24	8412	4	58	60	0	45	4	534	0	0	11	32	15	1730	23	2	5	11	0	7	95	39
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25	3	57	12	4	51	0	3	2	57	2	5	11	2	5	9	10	25	5	37	13	6175	15	1	19	1	29	5	0	8	28	4	59	8	2	8	2	0	0	25	52
4	8	35	18	3	107	1	1	5	69	10	3	6	2	1	10	5	18	31	166	0	49	7250	0	92	5	14	4	0	17	39	1	170	17	5	2	3	0	2	62	28
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9	3	70	27	2	68	1	0	13	246	3	1	11	1	10	5	6	34	23	60	2	18	33	3	4925	6	69	4	1	12	44	10	78	40	0	6	9	0	1	67	40
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3	0	3	0	1	1	0	0	0	0	0	0	0	0	1	3	3	2	0	1	0	4	1	0	1	0	0	316	0	1	3	1	5	0	0	0	0	0	0	1	1
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2	3	24	5	2	21	3	1	2	52	2	4	5	0	5	0	2	27	10	60	3	28	11	0	23	2	41	1	0	3992	13	8	11	10	1	7	5	0	0	20	13
3	0	13	6	5	9	0	0	2	22	0	1	4	0	4	0	0	9	2	24	0	3	8	23	10	2	10	0	1	0	594	6	6	2	0	4	3	0	0	5	4
1	3	19	7	481	13	0	0	2	29	0	0	5	0	4	0	2	15	6	13	2	2	2	1	6	0	14	1	0	0	7	1121	5	4	0	7	4	0	1	4	6
0	3	30	18	1	57	0	2	7	36	9	19	11	0	9	6	7	28	16	585	7	29	10	0	29	4	436	2	0	10	10	2	9674	14	0	4	3	0	6	219	14
0	1	4	6	1	4	0	0	0	19	0	0	3	0	1	0	0	7	6	1	0	3	2	0	8	0	5	0	0	1	0	0	0	3398	2	0	0	0	1	5	1
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3	1	35	16	8	23	0	0	1	32	0	0	6	0	10	0	3	22	3	53	0	4	9	2	9	5	19	1	3	5	2	6	21	5	0	1820	8	0	0	9	7
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0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0
0	1	0	0	0	3	0	0	1	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	1	0	1	0	0	565	88	0
0	3	11	8	1	18	0	1	6	19	1	1	6	0	1	4	2	13	3	80	4	9	2	0	5	0	17	0	0	3	5	0	278	8	0	2	0	0	46	7085	5
1	1	123	10	3	24	2	0	3	29	0	0	6	0	8	2	3	14	3	21	2	10	5	0	12	3	18	1	0	8	14	2	22	5	0	2	4	0	1	7	2008

0.8466940859034617

Kernel: (16, 2), Adadelta, cosine_proximity

1142	1	34	0	2	8	0	0	3	4	1	0	4	0	1	0	15	9	0	7	0	121	10	0	3	4	2	0	0	1	3	7	2	4	0	3	4	0	0	2	11
1	1922	0	3	1	4	0	0	3	5	1	0	3	1	0	2	0	9	0	2	0	6	1	0	1	0	0	0	2	1	2	1	5	2	0	0	0	0	0	4	3
11	6	2006	9	0	26	0	0	3	24	2	0	10	0	4	2	4	18	2	14	0	32	18	0	6	4	6	0	0	6	10	13	14	4	0	5	3	0	0	9	367
1	0	1	2923	0	1	0	0	0	3	2	0	1	0	0	0	1	25	2	4	0	2	0	0	3	0	1	0	0	1	1	0	0	3	0	2	0	0	0	3	5
0	0	3	4	1158	5	0	0	0	8	0	0	4	1	0	0	0	7	0	1	0	5	2	0	0	0	2	0	0	1	3	458	1	3	0	3	7	0	0	5	4
3	44	18	22	9	14660	0	0	11	63	6	0	30	4	5	11	13	71	568	68	0	68	43	0	14	4	15	0	4	17	11	14	83	26	5	14	28	0	0	10	57
0	0	0	0	0	0	0	0	0	2	0	0	32	0	0	381	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	162	0
0	2	1	0	1	1	0	0	1287	4	0	0	2	0	0	0	0	2	0	0	0	2	2	0	1	3	1	0	0	0	2	1	0	2	0	0	0	0	0	1	2
3	12	9	9	3	30	0	0	14	5905	1	0	9	1	1	2	2	28	5	38	0	29	26	0	58	1	16	0	11	7	10	12	2	17	5	2	3	0	0	11	30
2	1	0	0	0	0	0	0	0	0	1263	0	0	1118	0	0	0	1	4	0	0	0	12	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	4	0
0	0	0	0	0	2	0	0	0	0	124	0	0	132	0	1	0	1	0	0	0	5	40	0	1	0	0	0	0	3	0	0	44	0	0	0	0	0	0	159	1
2	4	14	11	7	18	0	0	1	18	1	0	4183	0	0	10	0	13	1	14	0	9	3	0	5	0	0	0	2	2	7	11	0	5	0	3	3	0	0	5	7
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2	10	8	4	10	4	0	0	22	10	1	0	7	0	2036	0	4	9	0	5	0	10	21	0	0	21	2	0	0	1	2	11	11	1	1	0	6	0	0	3	19
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7	1	4	3	0	7	0	0	0	10	0	0	2	0	0	0	1336	10	1	3	0	22	6	0	0	0	0	0	0	6	2	2	5	2	0	3	2	0	0	5	2
0	4	3	24	4	10	0	0	7	15	0	0	9	1	0	2	1	10054	3	11	0	12	1	0	0	3	2	0	3	5	0	2	1	1	0	2	2	0	0	12	10
2	10	3	3	5	4162	0	0	4	14	2	0	9	3	2	5	1	22	2182	12	0	8	6	0	5	0	11	0	2	7	3	5	23	2	2	4	2	0	0	1	7
8	29	29	33	6	142	0	0	19	74	10	0	19	11	7	18	9	116	26	9043	0	152	154	0	40	4	71	0	2	31	36	46	1031	24	3	7	14	0	0	131	184
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31	6	11	11	1	46	0	0	2	43	4	0	15	1	0	5	8	32	2	25	0	6281	17	0	4	0	13	0	1	7	10	6	24	7	3	5	5	0	0	23	130
4	19	21	13	3	143	0	0	12	37	8	0	5	64	1	8	7	29	11	73	0	80	7332	0	40	4	6	0	3	32	5	2	85	17	7	2	6	0	0	45	139
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6	14	30	25	2	113	0	0	23	211	4	0	16	0	6	6	6	57	18	72	0	61	134	0	4653	5	18	0	13	26	45	34	59	55	1	6	18	0	0	63	161
1	3	3	4	0	4	0	0	3	20	1	0	2	0	2	0	0	4	0	3	0	3	5	0	2	1083	1	0	1	2	0	5	2	2	0	5	4	0	0	3	11
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25	2	2	0	2	3	0	0	0	0	0	0	2	0	0	2	214	4	0	9	0	60	2	0	3	0	1	0	0	3	2	2	9	0	0	1	1	0	0	0	3
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2	6	7	6	2	23	0	0	5	28	3	0	8	3	1	2	2	29	6	30	0	34	13	0	11	1	14	0	1	4094	3	9	3	10	3	4	7	0	0	17	32
2	2	4	6	7	12	0	0	2	23	0	0	4	2	1	0	0	15	2	16	0	10	48	0	7	0	3	0	2	7	543	13	8	2	0	2	9	0	0	6	27
0	7	1	4	246	13	0	0	1	24	0	0	3	0	3	0	1	25	3	5	0	6	9	0	3	0	7	0	1	0	4	1380	4	4	0	2	8	0	0	8	15
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2	4	13	8	6	22	0	0	1	32	0	0	7	0	4	0	2	27	2	39	0	12	62	0	7	7	4	0	3	14	5	52	26	5	0	1709	24	0	0	15	37
0	4	4	2	3	5	0	0	5	10	0	0	3	0	0	0	0	5	1	5	0	7	4	0	2	2	3	0	0	2	2	9	2	1	0	1	1048	0	0	8	6
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0	8	7	11	0	26	0	0	5	13	5	0	7	0	1	5	2	35	2	92	0	17	5	0	2	0	5	0	1	6	4	4	169	7	2	4	3	0	0	7182	17
1	2	21	5	1	26	0	0	4	19	1	0	4	2	2	3	3	20	0	9	0	19	8	0	7	1	5	0	1	8	4	6	11	5	0	0	6	0	0	10	2163

0.830626215589257

Kernel: (16, 2), Adam, categorical_hinge

1327	1	17	0	4	2	0	0	1	2	1	0	2	0	0	1	14	3	0	2	0	19	0	0	1	1	3	0	0	0	0	0	1	1	0	0	2	0	0	3	0
1	1933	0	2	2	5	0	0	1	8	1	0	1	0	2	1	1	7	0	0	0	5	1	0	1	0	0	0	2	0	0	1	4	1	0	0	0	0	0	4	1
89	9	2253	9	12	27	1	0	2	36	0	1	7	0	9	3	11	11	0	12	0	19	7	0	13	3	13	0	0	12	6	5	12	4	0	11	2	0	0	15	24
3	2	2	2893	2	5	0	0	0	11	1	1	2	0	3	0	2	28	0	6	0	3	0	0	6	0	2	0	0	0	0	0	1	3	0	2	0	0	0	6	1
1	0	0	1	1590	2	1	0	0	8	0	1	0	0	2	0	1	2	0	0	0	4	0	0	0	0	3	0	0	1	2	54	0	1	0	3	5	0	0	3	0
32	39	26	14	27	15238	2	0	5	103	5	1	20	0	13	14	43	49	0	42	0	68	16	0	17	5	22	0	2	23	4	8	79	23	4	31	28	0	0	12	4
0	0	1	0	0	0	408	0	0	1	0	0	1	0	0	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	166	0
1	2	1	0	3	3	0	0	1264	8	0	0	3	0	4	0	0	2	0	0	0	1	0	0	1	11	3	0	0	0	3	2	0	2	0	0	0	0	0	3	0
7	7	9	0	10	18	1	0	4	6081	0	0	3	0	5	2	4	16	0	16	0	19	5	0	40	2	24	0	3	5	1	2	2	6	5	2	2	0	0	9	2
2	1	0	0	1	6	0	0	0	1	1201	3	0	1150	0	0	0	1	0	0	0	0	35	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	3	0
0	0	0	0	0	1	0	0	0	0	1	490	0	0	0	1	0	0	0	0	0	4	2	0	0	1	0	0	0	1	0	0	5	0	0	0	0	0	0	7	0
17	4	23	8	24	22	4	0	0	56	1	0	4075	0	8	20	1	10	0	16	0	12	2	0	7	1	6	0	3	6	2	4	0	3	0	11	2	0	0	9	2
3	2	3	6	3	16	2	0	1	11	76	4	2	1903	3	1	6	15	0	4	0	3	1724	0	4	0	0	0	0	10	1	0	12	3	1	2	0	0	0	31	1
0	0	1	0	10	1	0	0	2	1	0	0	2	0	2209	0	3	3	0	0	0	2	0	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
1	1	4	0	0	6	4	0	0	5	1	1	1	0	3	883	0	1	0	6	0	2	2	0	1	0	9	0	0	0	1	0	3	0	0	0	1	0	0	2	1
19	2	2	3	1	4	0	0	0	8	0	0	1	0	0	0	1366	6	0	2	0	7	0	0	1	0	0	0	0	3	1	0	4	2	0	4	0	0	0	5	0
10	6	8	18	15	23	1	0	4	47	0	1	9	1	9	5	3	9954	0	20	0	11	0	0	7	1	7	0	2	9	0	2	0	1	1	8	3	0	0	14	4
9	9	2	2	9	6329	1	0	2	30	2	0	8	1	7	4	5	15	0	10	0	8	5	0	6	1	13	0	0	9	0	2	25	2	1	8	3	0	0	1	0
57	46	45	22	30	193	5	0	15	114	6	3	15	5	18	28	30	51	0	8480	0	116	95	0	75	5	300	0	3	44	17	43	1328	20	3	18	16	0	0	266	17
0	2	12	0	2	2	2	0	1	2	0	0	1	0	0	0	0	3	0	0	0	203	0	0	0	0	1	0	0	1	0	0	2	0	0	0	0	0	0	3	46
146	13	35	8	9	56	3	0	1	69	3	5	7	1	4	13	24	29	0	21	0	6127	12	0	30	1	21	0	1	22	2	2	42	6	1	8	4	0	0	35	18
25	38	35	10	4	170	3	0	8	131	8	5	3	10	4	15	21	14	0	87	0	68	7104	0	154	2	10	0	6	56	11	18	105	9	8	11	15	0	0	84	11
0	0	1	0	2	0	0	0	0	2	0	0	0	0	1	0	0	2	0	1	0	0	0	0	1	0	1	0	0	0	130	0	0	0	0	0	0	0	0	1	0
34	21	39	16	4	104	3	0	10	407	3	0	10	1	11	4	21	32	0	45	0	31	30	0	4803	12	38	0	16	26	14	41	45	27	1	17	21	0	0	66	8
4	1	1	3	2	4	0	0	1	22	1	0	1	0	21	0	2	4	0	3	0	0	1	0	1	1090	5	0	0	3	0	2	0	0	0	5	2	0	0	0	0
0	2	0	3	6	11	0	0	2	14	0	2	2	0	1	6	2	10	0	67	0	4	0	0	3	0	2513	0	0	2	2	2	201	2	1	1	3	0	0	29	0
96	0	1	0	3	2	0	0	0	2	0	0	1	0	1	2	173	4	0	5	0	24	0	0	12	0	2	0	0	3	2	0	14	0	0	3	1	0	0	1	0
3	3	3	0	5	3	0	0	0	12	2	0	0	1	2	0	1	0	0	4	0	0	1	0	5	0	0	0	1427	3	0	0	1	1	0	1	0	0	0	1	0
9	5	9	6	7	28	2	0	0	50	2	4	3	0	6	1	2	25	0	19	0	12	2	0	10	0	27	0	0	4130	1	4	7	6	1	7	9	0	0	22	3
21	4	7	5	16	23	0	0	3	48	0	1	4	0	5	0	14	8	0	22	0	17	21	0	22	3	6	0	2	13	473	14	5	2	0	6	10	0	0	8	2
11	5	0	4	984	14	0	0	1	28	0	0	2	0	5	0	5	15	0	4	0	4	0	0	3	0	9	0	0	1	1	662	2	4	0	12	4	0	0	6	1
25	31	26	13	13	119	0	0	12	73	9	21	12	0	17	12	40	46	0	729	0	55	21	0	44	7	289	0	1	19	6	15	9006	12	0	14	7	0	0	620	3
4	1	3	3	3	9	0	0	0	32	1	1	4	0	2	1	2	10	0	1	0	5	0	0	22	0	5	0	0	2	0	0	1	3351	2	2	0	0	0	12	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	822	0	0	0	0	0	0
18	2	6	4	11	10	0	0	0	28	0	0	3	0	9	0	6	16	0	15	0	6	2	0	2	4	9	0	2	11	1	10	5	4	0	1945	17	0	0	4	1
5	3	4	1	8	8	0	0	4	10	0	0	2	0	4	0	3	2	0	2	0	4	1	0	2	0	10	0	0	3	2	5	2	0	0	3	1050	0	0	6	0
0	1	0	0	1	1	0	0	0	3	0	0	1	0	0	0	0	1	0	0	0	60	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
0	1	0	2	0	4	0	0	1	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	650	0
4	8	5	4	1	25	1	0	4	29	2	1	5	0	1	4	5	18	0	55	0	11	2	0	3	0	10	0	0	5	0	3	127	5	1	5	3	0	0	7299	1
37	10	330	7	11	50	2	0	6	55	1	0	6	2	11	2	6	20	0	40	0	52	18	0	57	6	15	0	1	35	8	20	20	4	1	15	14	0	0	24	1491

0.8173214119190287

Kernel: (16, 2), Adamax, cosine_proximity

1189	1	14	0	5	10	0	0	1	1	1	0	4	0	2	1	27	5	0	7	0	116	4	0	2	2	1	0	0	1	2	0	1	1	0	5	3	0	0	2	0
1	1934	0	2	1	4	0	0	1	2	2	0	4	0	0	2	1	6	0	5	0	6	1	0	2	0	0	0	1	0	1	1	2	2	0	0	0	0	0	3	1
21	10	2197	8	9	40	0	0	2	17	1	1	12	0	8	4	9	14	3	36	5	48	15	0	15	5	5	1	0	6	13	6	10	3	0	17	2	0	0	10	85
2	2	2	2907	0	5	0	0	0	2	2	0	5	0	3	0	1	24	2	5	0	4	0	0	6	0	1	0	0	1	2	0	0	3	0	2	0	0	0	3	1
0	0	1	4	1508	8	0	0	0	4	0	1	5	0	1	0	1	5	0	1	1	1	0	1	1	0	1	0	0	0	1	128	0	1	0	4	3	0	0	3	1
2	32	9	12	17	14961	0	0	3	28	5	2	34	0	5	15	18	50	552	38	3	68	11	1	12	8	10	0	3	8	5	2	40	15	5	19	9	1	0	10	6
0	0	0	0	0	0	0	0	0	1	0	0	40	0	0	374	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	160	0
0	3	1	0	3	6	0	0	1255	4	0	0	3	0	3	0	0	2	0	3	0	4	4	0	3	10	3	0	0	0	1	2	2	1	0	0	1	0	0	2	1
6	25	16	8	10	76	0	0	11	5559	1	0	16	0	4	6	9	27	8	108	0	54	43	0	182	5	15	2	32	8	17	14	3	13	5	8	4	1	0	8	8
2	1	0	0	1	1	0	0	0	0	1418	1	0	952	0	0	0	1	7	0	0	0	18	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	2	0
0	0	0	0	0	1	0	0	0	0	6	492	0	1	0	1	0	0	0	0	0	5	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0
2	1	3	1	5	1	0	0	0	3	1	0	4303	0	0	7	0	6	2	5	1	4	0	0	2	0	0	0	1	1	1	0	0	1	0	4	0	0	0	3	1
0	1	0	5	2	14	0	0	0	4	133	2	2	2579	1	2	3	11	3	5	1	4	1048	1	2	0	0	0	0	8	0	0	6	2	1	2	0	0	0	10	1
0	2	2	0	9	1	0	0	2	1	0	0	6	0	2191	0	2	4	0	1	0	2	1	0	0	8	0	0	0	0	0	2	1	0	1	1	1	0	0	0	3
0	0	1	0	0	5	0	0	0	1	1	1	11	0	3	897	0	2	1	4	0	2	1	0	1	0	1	0	0	0	2	0	1	0	0	0	0	0	0	2	2
5	1	2	3	1	5	0	0	0	7	0	0	2	0	0	0	1368	7	1	2	0	22	1	0	1	0	0	1	0	1	2	0	1	2	0	3	0	0	0	3	0
1	4	7	18	6	30	0	0	2	9	1	1	17	0	4	3	1	10009	4	26	3	13	0	0	2	4	1	1	2	3	1	2	2	2	0	8	1	0	0	13	3
1	5	1	3	4	4159	0	0	1	4	1	0	13	2	5	5	2	13	2260	10	0	10	2	0	2	1	7	0	0	2	0	0	8	2	1	4	1	0	0	0	0
9	29	20	25	17	189	0	0	12	37	6	3	30	8	13	36	13	56	28	9903	1	149	115	0	61	9	36	0	1	16	30	20	525	17	1	17	11	0	0	49	37
0	0	1	0	1	1	0	0	1	1	0	0	1	0	0	1	0	1	0	1	245	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
22	5	15	6	8	47	0	0	1	21	3	2	13	1	3	8	14	23	2	32	12	6396	19	0	4	4	9	3	1	7	10	0	16	6	1	14	5	0	0	16	30
3	20	26	11	3	202	0	0	5	23	10	4	7	27	1	19	10	14	19	166	0	275	7158	0	72	8	5	2	5	26	7	1	56	10	5	9	2	1	0	37	14
0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	85	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0
9	24	28	21	3	157	0	0	10	73	4	0	21	0	9	6	7	35	17	86	2	79	57	3	5027	17	11	1	9	21	31	15	50	31	1	18	10	0	0	40	28
2	1	1	3	1	4	0	0	0	5	1	0	3	0	6	0	0	3	0	2	0	0	3	0	3	1128	1	0	1	1	0	3	0	1	0	5	1	0	0	0	0
1	2	2	3	7	19	0	0	2	6	0	2	3	0	1	9	3	11	6	469	2	8	0	0	3	1	1715	0	0	2	4	2	579	3	1	5	7	0	0	12	1
8	1	2	0	2	2	0	0	0	0	0	0	3	0	1	2	11	3	0	4	0	19	0	0	1	0	0	283	0	1	2	1	4	0	0	1	1	0	0	0	0
2	2	3	0	2	4	0	0	0	3	2	0	1	3	2	0	1	0	2	3	0	1	1	0	6	0	0	0	1435	1	0	1	1	1	0	1	0	0	0	1	0
3	8	8	6	6	41	0	0	0	15	2	4	9	0	6	4	2	27	7	62	6	50	13	0	18	2	9	1	0	4053	2	6	1	7	2	8	4	2	0	15	10
3	3	1	4	13	23	0	0	2	12	0	1	10	0	2	0	0	11	2	27	0	4	30	5	15	8	1	0	2	5	565	7	5	3	0	7	7	0	0	4	3
0	6	1	4	696	16	0	0	1	13	0	0	9	0	5	0	2	18	4	13	0	5	7	1	9	1	4	0	1	1	3	937	3	4	0	15	3	0	0	4	1
4	29	25	16	4	157	0	0	6	22	10	20	22	0	12	18	13	46	22	1847	4	86	31	0	40	11	31	1	1	10	10	5	8544	13	0	15	4	0	0	229	9
2	2	4	3	1	10	0	0	0	6	1	1	5	0	1	0	0	10	8	2	0	9	5	0	18	0	3	0	0	2	2	0	2	3365	1	5	0	0	0	9	2
0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0	1	0	0	1	0	0	0	1	0	0	0	1	1	0	0	2	1	815	0	0	0	0	0	0
2	3	3	3	8	17	0	0	0	4	0	0	8	0	8	0	2	17	1	18	0	5	9	1	3	7	4	0	2	9	2	8	6	3	0	1983	11	0	0	1	3
0	6	3	1	5	14	0	0	4	4	0	0	7	0	0	0	1	6	2	12	0	5	5	1	9	2	2	0	1	3	2	8	4	1	0	10	1019	0	0	5	2
0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	29	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	37	0	0	0
0	1	0	1	0	6	0	0	1	2	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	647	0
0	12	7	9	1	41	0	0	2	10	3	1	11	0	1	7	4	19	5	172	4	24	6	0	6	0	2	0	0	5	3	1	191	6	0	7	1	0	0	7081	5
2	5	63	7	5	53	0	0	3	20	1	0	7	2	8	4	5	19	1	41	0	55	19	0	21	6	5	0	1	11	14	13	16	4	1	16	7	0	0	8	1934

0.8445605567814557

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

1147	0	21	0	3	8	0	1	2	1	1	1	2	0	2	1	39	3	0	3	0	139	2	0	4	3	3	1	0	0	1	2	1	1	0	4	8	0	0	2	2
1	1925	0	4	0	4	0	0	3	3	1	0	2	0	1	1	1	6	0	2	2	9	3	0	3	0	0	0	1	1	4	0	2	1	0	0	1	0	0	4	0
14	6	2142	10	3	48	1	0	3	22	1	1	7	0	6	2	7	11	1	11	5	50	17	0	47	2	7	1	0	7	13	5	6	2	0	10	6	0	0	9	155
0	0	1	2936	1	3	0	0	1	4	2	0	0	0	1	0	1	12	1	4	0	3	0	0	5	0	1	0	0	1	1	0	0	3	0	2	2	0	0	0	0
0	0	2	3	1403	3	1	1	0	3	0	1	0	0	0	0	1	1	0	1	2	1	0	1	0	0	2	0	0	0	3	231	0	1	0	4	15	0	1	1	3
4	37	14	14	14	15231	2	4	5	35	7	6	16	2	9	7	22	38	168	31	15	77	19	1	21	6	15	4	2	5	18	9	34	16	2	16	70	0	3	4	16
0	0	0	0	0	0	328	0	0	1	0	0	3	1	0	81	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	159	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8	0
0	2	1	0	0	2	0	0	1285	0	0	0	1	0	3	0	0	1	0	0	0	0	2	0	0	6	1	0	0	0	7	0	0	1	0	0	4	0	0	0	1
2	6	15	7	4	52	1	0	15	5856	3	2	2	2	3	1	5	11	1	24	9	41	24	0	110	3	18	1	5	3	12	10	1	6	5	5	26	0	0	10	11
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0	0	0	0	0	0	0	0	0	0	2	507	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
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1	2	40	7	4	42	1	0	4	24	1	0	3	1	5	2	3	15	0	9	5	27	10	0	28	4	7	1	0	6	11	4	10	3	0	3	11	0	1	5	2077

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Kernel: (16, 2), Nadam, categorical_hinge

1291	1	37	0	3	4	0	1	4	1	1	0	3	0	1	0	21	3	0	3	0	7	0	0	1	2	5	0	0	1	0	4	0	0	0	11	3	0	0	0	0
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18	21	35	7	3	99	0	0	6	38	7	0	4	37	2	9	5	10	0	43	0	30	7652	0	30	3	5	0	3	23	0	2	79	6	4	14	6	0	0	51	11
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15	21	94	27	2	131	0	0	21	268	3	0	19	1	9	4	22	30	0	45	0	30	176	0	4669	7	44	0	10	23	0	42	72	17	1	46	21	0	0	66	25
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6	8	75	7	8	38	0	0	19	43	0	0	10	0	3	0	4	10	0	97	0	33	208	0	53	7	12	0	2	19	0	37	25	2	0	18	12	0	0	10	19
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15	36	65	15	2	109	0	1	13	47	16	0	15	2	15	5	19	37	0	943	1	36	65	0	28	3	221	0	2	15	0	14	9184	9	0	28	7	0	0	337	12
3	3	11	6	1	15	0	0	13	31	1	0	6	0	2	2	7	10	0	3	0	6	14	0	77	0	9	0	0	2	0	9	10	3192	2	14	3	0	0	23	4
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0.8147262150817888

Kernel: (16, 2), Nadam, logcosh

1235	1	24	0	6	14	2	1	1	2	1	1	2	0	2	0	19	7	0	3	0	58	3	1	4	3	3	0	0	1	1	0	0	3	0	3	3	0	0	2	2
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14	4	2179	10	4	45	0	0	2	21	0	1	6	0	9	1	4	21	2	12	1	19	13	0	29	15	9	0	0	7	8	3	9	2	0	17	2	0	0	16	153
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2	21	7	21	14	15256	0	0	4	44	3	1	13	0	7	3	16	59	271	24	0	61	11	0	14	15	14	0	2	5	7	6	40	24	2	19	13	0	0	11	9
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23	6	32	13	3	65	0	0	2	37	3	1	8	1	4	4	10	34	0	19	0	6294	15	1	37	7	13	0	2	4	7	1	18	9	2	17	4	0	0	26	57
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9	6	24	24	3	129	0	0	5	134	3	1	7	1	9	3	6	36	12	28	1	17	41	0	5169	30	16	0	12	13	28	5	19	37	0	20	12	0	0	57	44
0	0	0	3	1	1	0	0	0	3	1	0	0	0	2	0	0	2	0	0	0	0	1	0	1	1160	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0
0	1	0	4	6	15	0	0	2	11	0	2	3	0	1	2	4	10	3	125	0	8	1	0	6	9	2436	0	1	2	4	1	188	3	1	2	8	0	0	31	1
16	0	3	0	1	5	37	121	0	2	0	0	0	0	2	1	92	3	0	2	1	20	2	15	14	1	0	0	0	1	2	2	5	0	0	2	1	0	0	0	1
2	0	2	1	1	3	0	0	0	4	2	0	0	1	2	0	1	1	1	1	0	0	2	0	5	0	0	0	1446	0	0	0	1	1	0	1	0	0	0	1	0
4	4	12	7	3	36	1	0	0	31	2	4	5	0	3	1	2	43	4	36	0	31	21	0	68	13	17	0	2	3986	5	8	5	9	1	7	4	0	0	23	21
2	0	3	4	9	23	0	0	2	22	0	0	3	0	2	0	0	7	2	7	1	5	33	0	26	14	3	1	3	2	582	6	1	2	0	6	5	0	0	4	5
1	3	4	4	662	23	0	0	1	21	0	0	2	0	5	0	2	16	3	4	0	4	10	0	9	5	5	0	0	1	3	967	2	5	0	12	6	0	0	4	3
3	14	30	17	6	162	0	0	3	52	7	22	12	1	12	7	17	56	19	1130	5	73	56	1	93	45	137	0	4	10	16	3	8489	17	0	21	5	0	0	750	22
0	1	2	3	1	7	0	0	0	5	0	1	3	0	1	0	0	9	4	1	0	3	2	0	8	2	5	0	0	1	0	0	0	3410	1	3	0	0	0	5	1
0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	2	0	0	0	1	1	819	0	0	0	0	0	0
2	1	5	4	7	19	0	0	0	7	0	0	1	0	5	0	2	12	1	6	0	5	16	0	8	18	6	0	4	7	3	4	3	4	0	1988	8	0	0	1	4
0	0	1	1	3	8	0	0	0	7	0	0	1	0	0	0	0	2	0	0	1	3	4	0	7	4	3	0	0	2	2	1	1	1	0	4	1084	0	0	3	1
0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	63	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	2	0	6	0	0	1	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	648	0
0	4	8	11	1	37	0	0	4	23	2	0	5	0	1	1	5	24	2	57	5	14	7	0	9	6	8	0	1	5	1	0	90	7	2	10	2	0	0	7287	8
1	2	44	8	4	38	0	0	2	24	0	0	4	1	7	2	3	19	0	12	0	15	13	0	30	17	7	0	1	8	8	2	11	5	0	10	5	0	0	10	2064

0.8313117393359536

ARat_2016_07_27__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

4493	2	0	0	5	4	3	0	0	13	6	10	77	1	0	5	6	3	4	2	0	9	10	0	8	0	2	11	2626	0	32	3	6	0	110	0	0
0	4155	1	0	3	1	1	0	1	16	6	2	8	0	0	5	1	3	2	1	1	7	2	0	3	0	3	20	7	0	1	2	31	0	1	0	0
1	0	177	0	2	0	1	0	0	23	0	4	2	4	0	0	81	28	1	21	0	0	0	2	2	0	0	0	1	0	2	5	1	5	2	0	0
0	6	0	0	0	0	343	0	0	34	3	0	6	0	0	0	1	2	3	626	0	1	0	0	1	0	0	5	4	0	3	0	1	0	0	0	0
3	11	3	0	3223	3	18	0	1	140	6	10	42	16	0	13	5	46	8	14	2	4	21	0	16	1	2	13	23	2	19	1130	14	0	4	0	0
11	12	0	0	8	7152	37	0	0	91	21	2	34	1	2	3	0	4	7	0	3	8	3	10	5	0	9	10	17	0	20	2	17	127	3	0	0
21	32	1	0	40	52	7820	0	3	479	24	20	110	46	3	17	10	124	16	724	2	8	34	4	30	2	8	26	51	2	77	22	36	1	6	0	0
1	2	2	0	34	20	108	0	4	167	5	47	130	5	2	1	2	265	6	69	1	3	8	0	3	118	7	4	17	0	39	9	6	0	0	0	0
0	3	0	0	3	0	1	0	960	13	2	2	11	0	1	0	1	0	0	2	1	0	7	1	5	0	0	3	2	0	2	3	3	0	0	0	0
10	38	1	0	28	7	43	0	7	9166	9	50	102	54	1	48	30	48	17	22	3	6	37	1	28	0	2	20	41	2	248	33	45	0	6	0	0
1	10	0	0	0	0	1	0	1	29	7781	1	11	1	1	0	0	1	9	0	2	2	3	0	4	0	0	3	2	0	4	0	8	0	0	0	0
1	30	2	0	29	1	25	0	3	177	6	10114	64	16	0	1	11	88	14	55	5	3	35	0	24	0	5	18	37	0	7	60	30	0	2	0	0
24	51	1	0	57	4	47	0	8	263	25	36	14724	23	3	14	18	54	17	42	6	5	35	1	49	2	10	36	73	3	44	30	38	0	10	0	0
0	2	9	0	9	14	92	0	1	277	0	9	19	1015	2	3	7	150	9	16	4	3	3	9	6	0	5	0	1	20	15	13	19	19	10	0	0
3	0	0	0	0	0	0	0	0	2	0	0	3	0	1390	1	0	0	0	0	0	0	4	0	0	0	1	477	0	0	2	1	0	0	0	0	0
1	0	0	0	3	1	3	0	0	34	0	2	3	1	1	2402	0	4	0	0	1	0	3	0	3	0	1	3	1	1	21	2	4	0	1	0	0
0	5	6	0	4	0	0	0	0	41	0	6	5	3	0	3	1214	4	3	5	0	0	3	0	3	0	1	0	2	0	4	4	0	0	1	0	0
10	29	4	0	72	35	101	0	4	881	8	83	181	57	3	28	58	3322	23	160	8	12	45	6	39	3	17	17	50	17	73	41	24	0	4	0	0
7	4	0	0	3	4	5	0	0	64	8	6	69	12	17	13	4	21	7714	4	3	1	14	2	14	1	4	2	13	0	17	2	17	0	0	0	0
1	12	0	0	5	4	75	0	0	87	3	7	21	3	0	3	7	39	9	1348	1	0	7	0	11	1	2	8	10	2	18	8	5	0	0	0	0
3	8	1	0	17	13	31	0	0	68	5	12	39	30	1	28	8	76	16	36	3268	4	8	3	14	1	5	8	35	96	28	17	25	0	1	0	0
23	8	2	0	11	3	13	0	1	19	6	7	68	11	0	2	9	28	3	4	2	250	10	0	3	1	7	8	1114	1	6	11	13	0	7	0	0
0	2	0	0	0	0	0	0	0	4	3	0	0	0	0	0	2	0	0	0	0	0	2964	0	3	0	0	3	1	0	0	2	7	0	0	0	0
0	28	1	0	13	16	31	0	2	392	8	7	51	0	4	6	5	12	17	0	4	4	2	5972	9	0	16	3	1	1	26	10	82	3	1	0	0
3	7	0	0	5	0	1	0	1	4	6	4	16	0	8	5	0	0	3	0	0	0	15	0	8622	0	0	27	9	0	9	7	6	0	0	0	0
0	1	0	0	0	0	0	0	0	3	2	0	0	1	0	0	0	0	0	0	0	0	0	2	1	665	0	0	1	0	2	0	1	0	0	0	0
12	43	0	0	10	76	82	0	3	175	15	11	33	3	2	4	3	39	19	17	2	8	8	6	13	0	4754	16	10	2	19	23	11	16	6	0	0
1	12	0	0	4	0	0	0	2	14	0	6	20	0	70	6	3	2	2	2	2	1	11	0	2	1	4	7591	9	0	13	4	12	0	2	0	0
421	40	8	0	51	10	52	0	0	91	15	30	254	41	2	13	46	118	16	41	9	194	37	2	20	1	7	34	10379	3	22	43	50	0	53	0	0
1	4	0	0	18	11	23	0	0	69	4	12	20	61	0	8	6	100	6	19	19	1	3	2	6	0	3	5	7	725	15	2	11	0	1	0	0
6	8	1	0	12	3	15	0	1	828	12	11	43	13	1	16	8	20	10	6	3	0	14	3	9	0	4	7	7	2	4772	10	14	0	2	0	0
3	10	2	0	2273	5	10	0	4	124	4	21	27	18	0	14	8	34	9	13	6	2	14	1	19	1	4	11	22	1	25	3571	16	3	4	0	0
6	287	6	0	17	17	47	0	3	210	32	27	84	17	5	10	19	75	31	23	6	13	22	43	28	3	12	36	36	4	37	23	10730	0	0	0	0
7	4	0	0	3	2026	10	0	0	8	4	4	2	0	3	2	0	0	5	0	3	0	0	3	3	0	4	2	0	0	6	4	3	2683	2	0	0
958	0	0	0	1	5	5	0	0	26	3	6	7	0	4	8	3	7	8	1	0	0	0	3	3	0	3	0	12	0	32	0	2	12	3564	0	0
0	3	0	0	0	0	1	0	1	4	59	0	2	0	0	0	0	1	0	0	0	0	2	0	0	0	1	112	0	0	0	1	0	0	0	0	0
0	11	1	0	3	11	38	0	2	289	2	2	20	221	0	1	0	76	5	17	2	0	5	1	7	2	2	2	10	18	2	8	1	0	2	0	0

0.8331145696189355

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

5348	0	0	0	1	1	2	0	0	0	3	12	31	0	0	3	0	0	0	0	2	6	6	0	4	0	0	9	1998	0	4	1	5	0	14	0	1
0	4106	0	0	2	1	2	1	1	6	4	3	6	0	0	8	1	7	1	1	2	12	3	0	5	0	5	19	9	1	1	2	75	0	0	0	0
1	0	201	0	5	1	4	0	0	6	0	12	1	5	0	1	58	39	0	7	0	0	0	2	2	0	0	0	2	2	2	4	3	4	2	0	1
0	3	0	964	0	0	7	0	0	2	1	0	0	0	0	0	1	1	0	52	1	0	1	0	1	0	0	2	1	0	0	2	0	0	0	0	0
8	12	0	1	2779	5	22	2	0	51	6	29	43	8	1	22	4	66	9	11	9	6	26	3	22	0	4	17	59	10	12	1543	21	0	1	0	1
13	9	0	0	5	7170	172	0	0	21	10	4	25	1	2	4	0	2	7	1	8	9	3	14	7	0	15	10	24	3	15	3	20	39	1	0	2
36	31	1	20	37	58	8107	2	3	183	24	43	116	23	4	37	5	227	18	404	40	11	67	10	40	0	14	24	111	38	39	24	46	0	2	0	6
2	1	0	0	1	0	11	921	0	5	4	27	24	1	1	1	1	28	4	8	1	3	4	0	2	2	1	3	16	0	5	5	3	0	0	0	0
1	3	0	0	1	1	1	0	957	10	4	6	10	0	0	2	1	1	0	0	2	0	7	2	6	0	0	2	3	0	0	3	3	0	0	0	0
37	39	0	3	39	12	61	2	7	8625	14	114	145	53	3	147	17	133	26	32	27	11	62	6	36	2	18	30	126	31	165	43	73	0	5	0	9
2	17	0	1	0	0	3	0	0	6	7790	4	9	1	1	1	0	1	5	0	4	1	3	0	4	0	1	3	6	0	1	1	10	0	0	0	0
5	20	0	3	10	0	18	3	2	20	5	10494	23	3	0	2	2	25	7	10	22	2	34	0	17	0	1	15	39	0	3	45	28	0	1	0	4
59	54	1	5	45	7	67	2	6	87	33	61	14645	15	2	22	10	49	25	22	36	13	61	2	68	1	18	47	134	20	29	30	70	0	2	0	5
2	2	0	0	5	19	91	1	1	80	0	14	14	1044	1	12	2	138	14	8	18	3	3	10	5	0	5	1	3	116	7	8	21	15	6	0	92
5	0	0	0	0	0	0	0	0	1	1	0	2	0	1000	2	0	0	0	0	0	5	0	0	0	0	1	864	1	0	1	1	0	0	0	0	0
3	0	0	0	3	0	1	0	0	12	0	2	1	0	0	2432	0	6	0	0	8	0	4	0	2	0	1	1	3	6	5	1	4	0	0	0	1
3	6	3	0	3	1	1	0	0	39	0	14	6	3	0	8	1161	12	3	5	1	0	8	1	5	0	1	1	15	2	4	6	5	0	0	0	0
18	29	4	1	55	46	103	4	2	273	5	149	185	35	1	41	18	3733	21	91	44	19	78	11	43	0	21	17	156	72	48	47	38	0	3	0	4
10	2	0	1	3	6	11	0	0	19	9	11	43	2	17	18	4	18	7738	0	5	1	23	3	19	0	9	4	18	6	9	2	30	0	0	0	4
5	12	0	20	8	4	70	0	0	25	3	15	20	3	0	3	4	74	10	1312	10	2	12	0	14	0	2	10	17	8	11	8	13	0	0	0	2
5	4	0	0	6	5	7	0	0	8	3	8	10	6	0	10	1	29	6	8	3622	1	8	3	8	0	1	8	27	61	12	12	18	0	2	0	6
32	8	0	0	0	0	10	0	1	0	2	9	29	5	0	2	1	8	2	0	5	156	8	3	3	0	3	6	1332	3	4	4	14	0	1	0	0
0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2972	0	3	0	0	1	0	0	0	1	9	0	0	0	0
2	24	0	0	6	12	14	0	1	76	3	11	20	1	4	5	1	12	11	0	8	2	2	6360	13	0	17	3	3	5	7	9	90	4	0	0	1
7	5	0	0	2	0	0	0	0	2	3	7	6	0	5	5	0	0	2	0	5	0	13	0	8644	0	0	26	13	0	3	4	5	0	0	0	1
0	1	0	0	0	0	0	5	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	1	664	0	1	2	0	1	0	0	0	0	0	0
16	28	0	0	4	60	51	3	3	32	12	20	22	3	1	11	3	33	14	8	13	6	17	11	15	0	4946	11	17	17	13	22	15	10	4	0	0
5	9	0	1	3	0	0	0	2	4	0	8	6	0	19	15	2	1	1	0	6	1	12	0	3	0	3	7643	28	1	4	3	15	0	0	0	1
799	31	1	2	14	2	22	0	0	6	14	31	115	7	2	12	4	13	13	2	21	118	26	1	17	0	3	27	10714	9	6	13	48	0	7	0	3
2	4	0	0	9	4	11	1	0	9	3	15	10	12	0	7	2	35	4	4	71	2	4	3	6	0	0	5	10	906	6	2	11	0	0	0	4
11	16	1	0	9	5	33	4	1	553	13	17	59	10	1	58	4	33	16	15	12	1	21	7	16	0	8	9	31	18	4839	11	25	0	2	0	2
10	10	0	1	1592	11	12	1	3	57	6	33	39	17	0	20	5	45	9	9	25	2	22	2	29	1	6	11	54	12	17	4185	26	3	0	0	4
16	152	0	7	11	7	50	0	2	53	28	36	46	7	9	18	3	48	17	8	22	9	26	76	28	1	8	35	47	21	17	20	11077	0	0	0	4
9	3	0	4	2	2936	19	2	0	2	4	5	1	0	4	2	0	1	4	0	4	0	0	6	5	1	7	2	2	0	5	5	4	1749	2	0	1
2339	0	0	0	0	3	5	0	0	0	2	8	4	0	2	9	0	3	1	1	2	0	2	3	2	0	3	1	8	3	9	0	5	10	2248	0	0
0	3	0	0	0	0	1	0	0	2	43	0	2	0	0	0	0	2	0	0	0	0	3	0	0	0	2	128	0	1	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	12	0	0	3	16	0	2	0	3	1	1	1	0	0	0	4	1	0	1	3	3	0	1	1	0	0	0	704

0.8503144917708609

Kernel: (4, 2), Adamax, cosine_proximity

4282	1	0	0	1	1	1	0	1	0	4	15	47	1	0	2	0	0	5	0	2	11	5	0	5	0	1	9	3036	0	3	1	5	0	12	0	0
0	4052	0	1	2	1	5	0	1	13	6	10	18	0	0	4	1	6	4	0	4	13	2	0	5	0	10	22	8	2	1	3	86	0	0	2	2
1	0	256	0	1	0	1	0	0	6	0	11	1	4	0	0	48	25	0	2	0	0	0	1	2	0	0	0	1	0	0	2	1	2	0	0	0
0	3	0	949	0	0	29	0	0	5	1	0	1	0	0	0	1	1	2	34	1	1	1	0	1	0	1	4	2	0	0	1	1	0	0	0	0
7	13	0	1	1895	4	32	2	6	130	6	49	90	15	0	13	4	77	10	7	10	7	23	1	24	0	3	11	49	13	15	2275	19	0	0	0	2
12	11	0	0	6	7179	59	4	0	60	24	9	42	14	3	3	0	4	9	0	12	12	2	13	7	0	17	10	22	8	15	5	24	30	1	0	2
28	27	1	31	26	44	8031	3	7	412	19	54	197	75	3	11	7	158	21	262	29	16	54	8	48	0	13	24	90	34	38	29	46	0	2	0	3
1	1	0	0	1	0	5	895	0	18	4	38	38	0	2	0	0	28	3	7	2	3	4	0	3	0	1	2	17	0	4	5	3	0	0	0	0
0	3	0	0	1	0	1	0	969	8	2	4	13	0	0	0	1	0	0	0	2	0	5	1	6	0	0	4	2	0	0	1	3	0	0	0	0
19	33	1	3	13	2	36	2	7	9097	14	119	152	50	2	50	13	47	19	15	19	19	38	0	36	1	4	28	78	12	114	40	60	0	2	0	8
2	9	0	1	1	0	3	0	1	13	7773	5	10	4	2	0	0	1	9	0	6	1	3	0	1	0	0	2	4	0	3	1	7	0	0	11	2
2	10	0	4	1	0	4	1	3	25	3	10647	22	2	0	0	2	4	4	6	9	0	19	0	9	0	0	7	13	1	3	38	19	0	1	0	4
40	36	0	6	14	2	32	2	10	123	28	68	14876	19	3	11	9	34	21	10	30	9	42	1	66	1	9	33	108	5	25	28	45	0	2	3	2
2	2	1	0	3	17	26	1	1	102	0	17	18	1303	1	3	2	84	9	5	14	5	1	5	5	0	2	1	2	55	4	5	14	12	6	0	33
3	0	0	0	0	0	0	0	0	1	0	0	5	0	1181	1	0	0	3	0	1	0	3	0	0	1	0	678	0	0	1	1	0	0	0	5	0
1	0	0	0	1	1	3	0	0	40	0	2	6	1	1	2362	0	10	1	1	11	0	4	0	8	0	1	4	3	10	13	5	5	0	1	0	1
1	5	14	0	1	0	2	0	1	61	0	15	9	2	0	2	1161	7	2	5	1	0	3	0	3	0	1	1	5	1	3	7	4	0	0	0	0
10	29	9	1	30	31	113	6	7	595	6	196	255	69	1	21	31	3457	21	75	35	19	51	2	45	0	12	15	96	52	36	51	31	0	1	1	5
5	2	1	1	1	1	6	1	0	51	6	14	61	5	16	12	3	38	7721	0	4	1	16	2	20	0	5	2	15	2	8	2	19	0	0	1	3
1	12	0	34	5	4	106	0	2	69	4	25	28	10	0	0	4	77	8	1194	7	1	15	0	16	0	2	8	18	16	11	9	10	0	0	1	0
4	3	1	0	3	4	4	0	1	17	2	15	26	9	0	8	1	29	9	8	3617	2	7	1	7	0	1	5	23	55	7	13	18	0	1	1	3
19	8	0	0	0	0	8	0	1	7	3	16	53	5	0	1	2	14	2	0	7	278	9	0	3	1	3	6	1183	1	3	5	13	0	0	0	0
0	1	0	0	0	0	0	0	1	3	1	1	1	0	0	3	0	0	0	0	1	0	2952	0	7	0	0	5	1	0	0	2	9	0	0	1	2
2	24	1	1	6	7	22	2	7	279	6	17	77	5	6	6	2	48	15	0	21	8	7	5906	16	1	23	2	1	3	17	14	170	2	0	1	2
4	3	0	0	2	0	0	0	0	5	7	17	16	0	7	3	0	0	6	0	10	0	6	0	8603	0	1	31	18	1	4	7	4	0	0	2	1
0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	674	0	0	0	0	1	0	0	0	0	0	0
15	25	0	0	8	62	28	3	3	118	14	27	40	10	2	2	5	70	21	11	17	9	16	6	13	0	4811	13	15	13	10	22	16	7	4	5	0
3	7	0	1	1	0	0	0	2	9	0	13	31	0	42	6	2	2	3	2	11	1	9	0	1	1	1	7590	8	1	5	5	15	0	0	23	1
343	28	1	1	13	1	17	0	0	20	13	67	195	8	2	7	10	37	19	2	25	233	25	1	17	1	4	29	10882	6	13	30	47	0	4	0	2
1	3	0	0	4	3	4	1	0	20	4	17	23	20	0	4	3	49	4	2	71	3	3	3	6	0	1	5	9	873	6	3	12	0	1	0	4
9	10	1	1	4	3	24	4	3	871	12	18	69	14	1	30	6	26	14	6	10	1	14	4	15	0	4	12	23	11	4603	13	21	0	2	1	1
7	9	1	2	856	7	8	0	5	124	5	48	65	20	0	10	7	54	8	8	24	8	18	2	33	1	3	10	34	5	15	4852	27	1	0	0	2
8	138	1	6	11	8	40	0	8	123	36	52	107	23	5	8	5	83	35	9	37	17	28	25	41	2	15	36	54	31	28	24	10852	0	0	5	8
8	4	0	2	2	3246	19	2	0	6	5	8	4	0	4	2	0	1	5	0	3	0	0	7	7	1	9	3	0	0	5	5	5	1425	2	0	1
2344	0	0	0	1	4	5	0	0	10	3	10	9	2	2	10	1	12	4	1	2	0	0	2	4	0	2	1	33	0	29	1	8	12	2161	0	0
0	0	0	0	0	0	0	0	1	3	3	0	3	0	0	0	0	1	0	0	0	0	2	0	0	0	1	54	0	0	0	0	0	0	0	119	0
1	2	0	0	0	0	0	0	0	21	0	1	4	17	0	1	0	2	1	1	2	0	0	0	4	0	0	0	4	3	1	1	1	0	0	1	693

0.8409427447207773

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

4219	0	0	0	1	0	1	0	0	0	4	7	55	1	0	2	0	0	0	0	3	11	1	0	0	0	1	8	3110	0	3	1	3	0	20	0	0
0	4136	0	0	1	1	0	0	0	1	3	6	4	17	0	0	0	1	7	1	2	5	19	1	0	3	0	0	5	24	7	1	2	1	36	0	0	0	0
1	0	237	0	1	0	1	0	0	3	0	9	4	2	0	0	54	36	0	8	0	0	0	1	0	0	0	0	1	1	1	1	1	3	0	0	0	0
0	3	0	969	0	0	4	0	0	0	1	0	0	0	0	0	1	1	0	56	1	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0
4	13	1	1	2684	7	17	2	1	14	7	24	94	5	0	3	3	111	4	11	9	7	5	0	10	0	2	15	60	7	11	1664	16	0	1	0	0	0
12	9	0	2	8	7326	18	0	0	5	25	4	45	2	0	2	0	2	5	1	9	11	0	4	2	0	14	12	27	5	29	3	15	18	2	0	2	0
27	34	1	75	45	109	7230	2	3	91	28	33	311	20	0	6	12	315	13	1006	46	16	11	2	21	0	21	36	120	65	73	30	42	0	4	0	3	0
1	0	0	0	3	2	4	859	0	4	6	25	57	1	1	0	0	58	3	10	4	3	2	0	2	0	1	3	21	1	6	5	3	0	0	0	0	0
0	3	0	0	2	0	2	0	883	8	4	5	81	0	0	0	2	5	1	3	3	1	2	0	3	0	0	4	5	0	2	3	4	0	0	0	0	0
24	46	0	6	51	36	71	3	7	7723	25	117	392	40	0	32	43	390	20	103	38	21	15	0	16	1	20	37	139	49	534	70	77	0	5	0	2	0
2	9	0	1	0	0	1	0	0	3	7819	3	11	0	0	0	0	1	2	0	3	1	1	0	0	0	0	1	6	0	2	1	8	0	0	0	0	0
2	20	0	2	10	1	6	2	1	13	4	10476	75	1	0	0	2	35	3	26	23	6	5	0	3	0	3	20	55	0	4	43	18	0	1	0	3	0
37	36	1	5	15	3	29	0	4	19	28	38	15182	5	0	8	5	14	7	16	24	12	8	0	6	0	10	33	111	7	29	29	30	0	2	0	0	0
2	3	1	0	6	23	55	2	1	38	1	13	42	972	1	2	3	291	9	16	26	6	0	6	2	0	4	1	1	159	8	10	16	14	8	0	19	0
3	0	0	0	0	0	0	0	0	1	2	0	9	0	355	1	0	0	0	0	0	1	0	0	0	0	3	1502	1	0	5	1	0	0	0	0	0	0
1	4	0	0	12	2	4	0	0	28	0	2	15	0	0	2249	1	29	1	7	35	0	3	0	2	0	3	6	8	39	31	5	7	0	1	0	1	0
1	6	3	0	1	1	1	0	0	17	0	14	24	0	0	2	1189	20	0	11	1	2	0	0	2	0	1	2	7	0	3	8	1	0	0	0	0	0
10	28	3	1	52	56	62	2	1	106	8	119	398	18	1	14	30	3891	12	135	46	19	7	3	20	0	20	24	135	63	59	46	24	0	1	0	1	0
12	3	0	1	4	5	11	1	0	30	18	17	218	8	10	9	10	114	7378	1	18	5	7	1	5	0	17	9	35	24	42	4	24	0	1	0	3	0
0	8	0	20	9	3	35	0	1	8	5	13	35	2	0	0	3	72	5	1401	6	0	2	0	4	0	3	10	16	5	14	10	7	0	0	0	0	0
4	5	1	0	4	5	2	0	1	3	3	8	29	1	0	2	2	36	0	10	3670	5	1	0	1	0	1	6	20	57	7	11	9	0	0	0	1	0
15	7	0	1	0	0	4	0	0	0	3	6	55	1	0	1	2	10	1	1	5	256	2	0	2	0	3	6	1251	3	4	3	9	0	0	0	0	0
0	4	0	0	0	0	3	0	2	13	6	6	28	0	0	3	2	32	0	1	8	2	2829	0	5	0	0	9	11	2	5	12	7	0	0	0	1	0
3	36	0	2	29	48	62	1	2	174	13	19	171	2	4	2	13	136	14	14	54	26	1	5408	4	1	45	3	3	10	110	24	287	4	0	0	2	0
11	9	0	1	12	7	5	0	2	20	21	22	271	5	3	5	0	20	8	6	41	5	6	0	8109	0	4	43	60	20	17	14	8	0	0	0	3	0
0	1	0	0	0	0	0	39	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	626	0	0	3	0	4	1	2	0	0	0	0	0
13	24	0	0	6	61	19	2	2	15	16	14	46	2	0	1	4	29	10	18	16	7	1	2	4	0	5023	17	19	13	14	22	12	6	3	0	0	0
3	10	1	1	2	0	0	0	3	3	0	7	35	0	2	5	1	0	1	0	8	2	6	0	1	1	0	7644	29	1	12	3	9	0	5	0	1	0
336	26	1	2	11	1	6	0	0	2	13	26	191	1	1	6	10	19	6	12	21	245	5	1	2	0	3	28	11043	4	6	27	35	0	11	0	2	0
1	4	0	1	9	5	1	1	0	6	3	14	38	3	0	0	3	45	1	6	75	3	1	1	0	0	1	5	10	905	6	2	8	0	2	0	2	0
9	12	0	1	15	9	30	2	1	267	14	15	125	5	0	11	11	52	7	17	12	1	2	1	5	0	8	7	44	18	5120	17	20	0	2	0	1	0
5	11	1	1	1495	17	3	0	3	21	7	35	74	8	0	5	9	69	5	11	26	6	4	1	8	1	5	14	46	7	14	4349	17	0	0	0	1	0
11	211	2	8	28	19	24	0	2	32	39	46	186	6	1	2	12	106	19	21	59	31	7	8	15	0	15	46	68	31	37	25	10790	0	1	0	1	0
8	4	0	4	2	3386	4	2	0	1	4	3	10	0	1	2	0	0	2	0	3	0	0	2	1	1	8	5	1	0	7	5	3	1318	4	0	0	0
1872	0	0	0	0	4	3	0	0	0	3	6	9	0	2	4	1	7	0	1	2	0	0	2	0	0	2	1	34	2	15	1	4	7	2691	0	0	0
0	3	0	0	0	0	1	0	0	2	62	0	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0
1	4	0	0	0	1	2	0	0	13	0	1	12	33	0	1	0	10	0	2	2	0	0	0	4	0	0	1	5	6	1	3	0	0	0	0	659	

0.8275387780181769

Kernel: (16, 2), RMSprop, categorical_crossentropy

4093	0	0	0	0	1	17	0	0	9	2	6	29	1	0	3	0	1	0	2	2	2	8	0	14	0	2	7	3188	0	11	2	5	0	46	0	0
0	4108	0	4	2	1	4	1	1	12	2	5	3	2	0	6	1	5	0	2	3	9	7	0	6	0	0	11	11	0	2	2	71	0	0	1	2	
1	0	263	0	1	0	7	0	0	9	0	8	0	10	0	0	28	20	0	7	0	0	0	1	3	0	0	0	0	0	2	1	1	3	0	0	0	
0	0	0	1022	0	0	5	0	0	1	0	0	0	0	0	0	1	0	0	9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
5	13	1	4	1563	2	77	3	0	129	3	25	31	41	0	12	1	66	3	13	6	3	21	1	27	0	1	12	46	6	12	2661	21	0	3	0	1	
14	11	0	1	7	7103	146	4	0	81	18	6	20	10	0	4	0	5	5	4	7	7	3	9	7	0	34	10	18	1	16	7	28	29	2	0	2	
19	21	1	44	8	21	8914	2	1	172	12	21	39	31	0	11	2	49	9	263	4	2	18	3	36	0	6	16	45	3	19	25	28	0	3	0	3	
2	0	0	0	1	0	15	946	1	23	3	19	12	0	1	0	0	17	2	10	1	2	3	0	3	0	1	2	11	0	4	3	3	0	0	0	0	
0	3	0	0	2	0	4	1	913	38	2	5	8	1	0	0	1	3	0	12	1	1	5	0	7	0	0	4	3	0	4	2	5	0	0	1	0	
13	39	0	7	11	1	146	2	7	9134	10	78	63	89	0	47	11	56	12	33	13	3	35	0	35	1	5	16	70	9	96	44	59	0	6	0	2	
2	19	0	4	1	1	13	0	1	18	7736	5	7	6	0	0	0	1	7	2	2	1	3	0	6	1	1	1	11	0	2	1	10	0	2	11	0	
4	15	1	5	7	0	47	4	2	87	4	10374	15	11	0	1	5	32	5	37	16	3	21	0	30	0	3	10	45	0	3	46	25	0	1	1	3	
46	62	1	7	32	7	247	8	4	440	37	63	13826	100	0	16	12	123	17	83	29	17	41	1	114	1	27	42	177	12	43	43	57	0	12	2	4	
0	2	0	0	2	11	142	1	1	96	0	9	5	1305	1	2	2	47	6	13	15	2	1	4	9	0	3	1	3	22	6	5	13	12	7	0	13	
4	0	0	0	0	0	0	0	1	9	0	2	7	1	544	2	0	2	4	0	0	0	5	1	4	1	11	1275	4	0	2	3	0	0	0	2	0	
2	0	0	0	1	0	8	0	0	25	0	2	1	4	0	2406	0	3	0	0	5	0	3	0	9	0	3	3	2	4	7	3	4	0	0	0	1	
1	4	6	1	1	0	9	0	0	66	0	11	3	24	0	4	1122	10	1	13	1	1	4	1	5	0	1	3	7	1	5	7	5	0	0	0	0	
11	27	6	4	29	22	488	9	2	667	6	114	92	100	0	24	23	3158	16	166	30	14	33	2	53	0	16	19	94	29	49	58	44	0	7	0	3	
8	5	1	2	4	8	38	5	0	137	10	14	54	42	7	12	5	32	7456	1	7	1	13	3	41	0	35	4	23	11	14	5	40	0	2	2	3	
2	5	0	38	4	2	151	1	0	38	4	10	8	11	0	1	1	35	4	1315	3	0	6	0	13	0	1	9	8	3	9	6	9	0	0	0	0	
4	4	1	2	1	3	39	0	0	17	3	9	12	17	0	9	1	29	3	17	3572	0	5	0	15	0	1	6	24	64	11	14	16	0	1	2	3	
8	7	0	1	1	1	26	1	1	18	3	5	17	7	0	2	1	12	0	4	3	93	6	0	4	0	5	6	1386	2	5	4	18	0	4	0	0	
0	0	0	0	0	0	1	0	0	2	0	1	0	0	0	3	0	0	0	0	2	0	2961	0	9	0	0	2	0	0	0	1	6	0	0	1	2	
2	30	0	2	5	16	130	0	2	397	4	11	29	7	0	6	4	34	7	5	8	3	9	5776	18	1	27	2	3	5	22	11	144	5	0	1	1	
2	3	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	5	0	8725	0	0	9	0	0	1	2	5	0	0	0	1	
0	1	0	0	0	0	0	7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	661	0	0	4	0	2	0	0	0	0	0	0	
11	25	0	0	2	18	87	4	3	103	10	16	10	7	0	5	2	47	5	24	11	4	10	5	19	0	4943	8	10	2	11	19	16	1	3	0	0	
4	20	1	2	4	0	3	0	2	17	0	11	8	1	2	7	1	0	2	1	6	2	10	0	14	1	9	7598	31	2	7	5	8	0	7	9	1	
316	33	1	3	14	1	139	1	0	45	9	27	79	36	1	15	4	32	9	27	18	50	20	1	32	0	9	19	11048	2	9	32	46	0	22	1	2	
0	5	0	0	5	1	43	1	0	25	3	14	4	42	0	6	1	36	2	7	68	2	1	2	7	0	2	4	11	848	7	3	8	0	1	0	3	
7	12	1	1	3	3	79	3	1	1127	12	14	28	18	0	20	3	16	6	12	8	0	14	5	24	0	5	8	12	5	4374	14	18	0	6	1	1	
4	10	1	3	642	1	46	2	3	119	4	31	29	41	0	11	4	42	7	15	18	2	12	1	31	1	4	9	28	6	15	5109	21	2	2	0	3	
7	136	0	11	5	6	97	1	2	105	17	33	37	26	1	5	3	45	10	20	10	7	20	13	32	1	11	29	51	3	20	24	11115	0	2	0	4	
6	4	0	5	2	3043	30	2	0	6	3	4	1	0	3	2	0	3	2	0	4	0	1	4	6	1	22	2	0	0	8	5	5	1611	6	0	0	
1405	0	0	0	1	7	34	0	0	9	2	4	1	0	2	8	1	4	0	2	2	0	0	2	9	0	3	0	14	0	13	1	5	6	3138	0	0	
0	5	0	0	0	0	1	0	0	4	1	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	68	0	0	0	0	0	0	0	103	0	
1	3	0	0	0	0	3	0	0	24	0	1	1	50	0	1	0	1	0	1	1	0	0	0	4	1	0	0	1	1	0	1	0	0	1	1	664	

0.8381548427006932

Kernel: (16, 2), Adadelta, cosine_proximity

2769	0	0	0	2	0	0	0	1	0	5	15	43	1	0	2	0	0	2	0	2	11	3	0	11	0	0	9	4555	0	8	1	5	0	6	0	0
0	4046	0	3	3	0	0	1	1	4	5	10	11	0	0	3	1	2	3	1	4	18	2	0	9	1	6	24	3	1	2	5	115	0	0	0	0
1	0	155	0	3	1	3	0	0	8	0	17	1	3	0	0	98	51	0	9	0	0	0	2	2	0	0	0	1	1	2	2	2	2	0	0	1
0	4	0	888	0	0	33	0	0	8	1	0	4	0	0	0	1	1	0	82	1	1	1	0	3	0	0	3	3	0	3	1	1	0	0	0	0
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10	11	0	8	20	7169	14	6	0	28	18	14	45	4	0	3	1	4	8	0	12	13	2	13	11	0	8	10	25	0	23	6	27	103	1	0	2
19	36	1	192	72	84	7297	15	4	273	24	77	221	16	0	12	7	268	15	556	79	26	117	13	65	0	15	27	148	17	47	32	66	1	2	0	7
0	1	0	1	2	0	3	906	0	7	4	60	29	0	0	0	0	15	4	4	4	2	6	0	3	0	0	3	19	0	5	4	3	0	0	0	0
0	3	0	0	1	1	0	0	957	7	3	5	16	0	0	0	1	0	2	0	4	0	5	0	9	0	0	4	4	0	0	1	3	0	0	0	0
11	44	0	13	35	4	30	9	17	8426	19	164	228	18	0	67	22	141	23	30	47	31	81	1	56	1	5	35	128	7	314	55	79	0	2	0	10
1	13	0	3	1	0	0	0	0	7	7787	5	10	0	0	0	0	0	9	0	8	1	3	0	7	0	0	3	3	1	3	1	8	0	0	0	1
1	13	0	4	1	0	0	8	2	9	3	10622	29	0	0	0	2	3	2	2	11	1	17	0	25	0	0	18	29	1	3	30	23	0	1	0	3
18	39	0	8	31	2	27	9	12	65	34	77	14817	4	0	10	8	33	17	13	32	11	54	1	118	1	5	47	149	2	28	28	49	0	1	0	3
5	2	0	0	10	17	44	5	2	83	2	25	27	1123	0	3	3	151	11	9	33	5	2	7	14	0	3	2	3	59	7	9	23	15	2	0	55
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1	3	0	0	2	1	3	0	1	38	0	2	7	0	0	2330	0	9	2	1	24	0	8	0	13	0	1	7	5	5	24	4	4	0	0	0	1
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11	29	3	2	64	20	77	33	17	298	9	251	241	21	0	18	33	3571	24	123	56	23	82	3	55	0	10	17	123	36	66	51	40	0	1	0	7
6	4	0	1	1	2	7	3	0	39	6	23	76	0	0	12	3	45	7642	0	7	1	23	3	54	0	4	10	22	2	17	4	24	1	0	0	3
0	15	0	135	10	2	93	1	3	31	4	30	28	2	0	1	6	92	9	1105	15	1	24	0	19	0	1	9	24	2	15	7	11	0	0	0	2
1	4	0	1	7	4	4	2	1	8	2	16	23	1	0	7	1	25	8	8	3651	4	8	1	17	0	1	10	25	27	8	9	17	0	0	0	4
4	10	0	0	0	0	1	0	1	2	2	14	48	1	0	1	1	10	1	0	8	254	9	0	9	1	0	7	1243	3	3	5	13	0	0	0	0
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1	27	1	0	18	8	12	6	9	141	7	30	69	2	0	3	2	43	21	1	28	8	10	5962	28	1	19	3	5	0	32	16	208	5	0	0	1
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13	48	0	1	60	87	34	8	5	109	13	86	55	5	0	2	7	118	24	27	32	15	29	7	52	0	4453	36	19	11	19	29	20	14	3	0	0
2	12	0	2	1	0	0	0	2	3	0	9	10	0	0	6	1	0	4	0	5	1	3	0	8	1	1	7695	6	0	9	1	13	0	0	0	1
96	27	0	1	12	1	5	1	0	6	12	61	145	0	0	7	8	16	12	3	34	259	27	0	45	1	3	33	11198	3	8	29	46	0	2	0	2
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7	10	0	2	8	3	21	5	6	479	13	21	74	2	0	22	8	26	11	9	13	1	26	3	32	0	2	8	37	8	4961	15	25	0	2	0	1
3	10	0	0	1550	8	3	2	7	49	7	67	59	6	0	10	7	58	7	6	29	7	30	1	41	2	3	17	40	5	24	4194	25	1	0	0	1
3	201	0	10	20	9	27	3	10	64	39	59	109	7	0	9	5	55	36	8	56	25	28	27	57	2	9	38	54	6	37	32	10857	0	0	0	7
9	5	0	1	6	2416	0	2	0	2	5	12	6	0	0	1	0	2	3	0	3	0	0	5	8	1	3	6	3	0	8	4	6	2273	0	0	1
2804	0	0	0	2	6	9	0	0	1	2	11	14	1	0	15	1	14	3	1	2	1	0	3	8	0	1	3	151	0	50	2	7	14	1547	0	0
0	3	0	0	0	0	0	0	1	1	65	0	2	0	0	0	0	1	1	0	0	0	2	0	0	0	1	110	0	0	0	0	0	0	0	0	0
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0.8192433261659039

Kernel: (16, 2), Adam, categorical_hinge

3253	2	0	0	1	0	1	0	1	0	5	19	32	0	0	2	0	0	8	0	2	0	8	0	7	0	0	7	4069	0	17	0	4	0	12	0	1
0	4104	0	0	1	2	1	2	1	5	4	11	8	0	0	0	1	1	3	4	3	0	2	0	4	0	4	26	16	3	1	2	75	0	0	0	0
1	0	223	0	3	0	2	0	0	5	0	17	2	2	0	0	69	16	0	10	0	0	0	2	2	0	0	0	1	2	1	3	1	2	1	0	0
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5	23	0	1	2041	16	38	4	25	80	6	57	123	9	0	14	11	38	13	9	14	0	46	2	31	0	3	18	82	27	22	2018	36	0	1	0	0
12	11	0	2	2	7170	14	8	0	15	19	14	40	2	0	3	0	0	12	0	12	0	5	15	12	0	3	11	37	6	19	6	29	137	1	0	2
20	37	1	75	41	87	7636	17	8	156	15	66	175	10	0	11	6	52	18	761	43	0	152	8	53	0	9	25	135	89	56	25	56	1	2	0	5
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0	3	0	0	1	1	2	0	973	5	2	3	7	0	0	0	1	0	2	0	2	0	5	0	7	0	0	5	4	0	1	0	2	0	0	0	0
16	47	0	9	27	15	75	15	21	8271	12	175	229	18	0	49	19	32	35	65	36	0	119	1	57	1	6	33	147	78	395	49	89	0	3	0	9
1	15	0	2	0	0	5	1	1	9	7774	5	11	1	0	0	0	0	9	1	7	0	2	0	3	0	0	3	6	2	4	1	9	0	0	0	3
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3	4	0	0	4	20	88	5	2	66	0	23	28	987	0	3	2	42	15	29	19	0	6	7	10	0	5	1	6	248	10	9	24	13	4	0	78
4	0	0	0	0	0	0	0	0	1	0	0	7	0	0	1	0	0	31	0	1	0	5	0	2	0	9	1820	2	0	1	0	0	0	0	0	0
2	4	0	0	1	1	7	0	1	50	0	2	7	0	0	2257	0	5	2	8	21	0	10	0	13	0	1	7	3	37	44	5	6	0	1	0	1
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9	32	5	1	68	58	211	70	24	421	8	304	337	21	0	17	50	2486	33	357	43	0	143	4	51	0	17	17	184	247	72	56	61	0	1	0	7
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1	16	0	44	7	4	80	4	2	24	3	28	25	1	0	1	6	20	9	1305	5	0	25	1	16	0	2	8	21	10	12	9	8	0	0	0	0
2	4	1	0	5	4	8	3	1	7	3	25	23	1	0	4	1	14	12	16	3551	0	16	1	15	0	1	9	30	105	7	13	21	0	0	0	2
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0	6	0	0	0	0	0	0	2	3	3	2	0	0	0	0	0	0	0	0	0	0	2938	0	20	0	0	6	1	0	0	3	6	0	0	0	1
2	30	1	0	6	12	36	5	14	107	3	30	64	2	0	2	1	7	19	7	24	0	18	5937	21	1	20	3	6	7	23	13	300	4	0	0	2
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16	64	0	0	7	104	42	5	7	47	14	58	52	0	0	1	5	19	27	55	30	0	29	6	28	0	4644	26	30	38	17	32	18	14	3	0	3
2	22	0	2	1	0	0	0	3	5	0	15	17	0	0	5	1	1	8	1	8	0	6	0	11	1	2	7641	29	0	12	1	1	0	1	0	0
169	33	1	1	6	0	9	3	0	7	11	54	99	0	0	7	8	4	21	6	28	0	38	1	29	0	3	24	11425	13	16	27	53	0	5	0	2
1	4	0	1	2	2	5	3	2	8	3	22	27	1	0	3	4	10	7	10	54	0	5	2	8	0	0	5	13	930	5	3	16	0	1	0	5
6	15	0	1	7	5	30	8	9	461	14	20	77	3	0	10	8	16	19	18	11	0	30	3	36	0	2	7	29	25	4945	12	27	0	4	0	3
4	15	0	1	1104	23	20	8	8	67	5	63	88	5	0	8	8	27	10	14	22	0	42	2	42	2	7	19	58	28	27	4504	44	2	0	0	2
7	236	1	8	4	9	33	3	15	47	28	57	77	2	0	3	4	18	39	35	42	0	42	14	44	2	12	38	61	33	29	26	10935	0	0	0	5
9	4	0	2	3	2303	1	2	0	2	5	9	6	0	0	2	0	0	5	0	3	0	0	5	6	1	4	6	4	0	8	3	6	2389	2	0	1
2521	0	0	0	0	2	16	0	0	0	2	10	7	0	0	5	2	4	4	1	2	0	2	3	5	0	2	0	118	1	48	0	4	10	1904	0	0
0	3	0	0	0	0	1	0	1	2	48	0	2	0	0	0	0	1	1	0	0	0	1	0	0	0	0	126	0	1	0	0	0	0	0	0	0
1	5	0	0	0	0	1	0	0	15	0	2	6	5	0	0	0	1	3	2	2	0	0	0	4	1	0	1	5	5	1	2	1	0	0	0	698

0.8208184067643033

Kernel: (16, 2), Adamax, cosine_proximity

3943	0	0	0	1	0	1	0	1	0	3	10	37	1	0	2	0	0	0	0	2	13	5	0	4	0	1	12	3394	0	4	1	5	0	11	0	0
0	4167	0	1	3	1	0	0	0	1	3	2	3	6	0	0	1	1	1	0	0	1	19	2	0	3	0	2	23	3	3	1	2	34	0	0	1	0
1	0	227	0	8	0	4	0	0	12	0	15	2	2	0	0	48	21	0	6	0	0	0	3	2	0	0	0	2	2	0	4	3	3	0	0	0
0	4	0	995	0	0	13	0	0	5	0	0	0	0	0	0	1	0	0	13	1	1	1	0	1	0	0	2	1	0	0	1	0	0	0	0	0
4	15	0	2	3170	4	19	2	6	64	5	32	40	3	0	10	2	12	5	5	2	13	24	0	22	0	2	14	44	13	9	1254	16	0	0	0	0
12	14	0	0	30	7211	29	2	0	41	11	7	35	2	1	3	0	0	6	0	6	15	3	13	8	0	10	10	20	3	16	5	28	75	1	0	2
22	52	1	57	91	69	8322	4	6	296	13	51	113	6	1	13	4	46	12	207	21	23	56	2	45	0	12	40	94	61	33	28	45	0	2	0	3
0	1	0	1	4	0	6	898	0	18	4	35	32	0	1	0	0	11	3	9	2	4	8	0	3	1	1	5	22	0	5	5	4	0	0	1	1
0	3	0	0	2	1	2	0	973	5	2	3	8	0	0	0	1	0	0	0	2	1	5	0	7	0	0	4	3	0	0	1	3	0	0	0	0
14	57	0	8	51	7	56	3	12	8956	11	115	145	14	0	61	12	20	18	10	18	32	50	1	40	1	9	38	91	43	130	48	69	0	2	0	11
2	30	0	2	1	1	6	0	1	16	7715	4	17	2	2	0	0	0	7	1	8	1	2	0	4	0	0	3	17	4	6	1	8	0	0	12	2
2	29	0	6	15	0	10	11	4	29	4	10486	39	0	0	1	2	7	6	7	10	8	25	0	14	0	0	16	44	1	6	48	28	0	1	0	4
39	59	1	7	78	2	70	4	24	135	22	63	14673	5	2	13	7	15	11	15	21	24	49	1	75	0	8	39	151	22	29	31	53	0	2	0	3
2	5	0	0	24	20	94	1	2	147	0	21	18	854	1	2	2	64	10	3	16	7	4	8	8	0	8	1	2	246	7	12	24	15	5	0	128
3	0	0	0	0	0	0	0	0	1	0	0	6	0	534	1	0	0	2	0	0	0	4	0	0	1	1	1327	1	0	1	1	0	0	0	1	0
1	4	0	0	7	1	7	0	0	34	0	2	6	0	0	2360	0	3	0	0	14	1	5	0	8	0	1	5	2	14	12	4	4	0	0	0	1
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10	44	7	3	227	43	244	16	9	723	4	223	235	13	1	25	23	2656	16	90	38	37	99	4	44	0	25	20	167	189	56	59	48	0	1	1	15
6	5	0	1	7	5	18	3	0	71	6	14	85	2	16	16	3	24	7547	0	6	4	31	3	39	1	7	4	26	19	15	5	48	0	0	4	4
1	21	0	102	11	3	169	1	2	68	3	23	23	1	0	2	3	37	7	1104	4	3	17	0	16	0	1	8	22	14	13	9	8	0	0	0	1
4	8	0	1	13	5	10	1	1	12	1	21	18	2	0	5	1	14	5	6	3495	3	7	2	11	0	1	7	29	173	9	15	22	0	0	0	3
12	10	0	1	2	0	8	0	1	6	2	4	30	0	0	1	1	1	1	1	4	334	8	0	4	0	3	7	1185	6	2	4	13	0	0	0	0
0	6	0	0	0	0	0	0	2	4	1	1	1	0	0	3	0	0	0	0	0	0	2944	0	12	0	0	5	1	0	0	4	5	0	0	0	2
3	45	0	2	36	23	73	1	7	172	1	16	63	0	4	6	2	4	10	1	9	14	5	5856	20	1	29	2	1	9	18	16	273	3	0	1	1
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258	33	1	2	26	2	18	0	0	14	6	37	101	1	1	10	6	4	10	1	18	362	26	1	15	0	2	22	11026	10	12	28	46	0	2	0	2
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8	17	0	4	21	5	34	4	5	793	9	17	58	2	0	28	3	12	10	7	10	2	14	2	22	0	4	10	24	20	4674	12	25	0	2	0	3
5	14	0	1	2169	4	4	0	4	64	3	38	30	2	0	7	4	12	5	6	13	13	18	1	24	1	2	15	29	10	13	3745	20	2	0	0	1
7	348	0	8	37	9	28	1	8	63	21	43	76	2	1	7	3	17	20	3	14	29	29	14	36	2	4	39	48	22	25	23	10917	0	0	1	4
6	4	0	3	9	2371	5	2	0	4	2	6	4	0	2	1	0	0	2	0	3	1	0	3	5	1	4	4	2	0	4	5	4	2332	2	0	0
2341	0	0	0	2	5	11	0	0	7	2	7	6	0	2	13	2	7	1	1	2	1	1	2	3	0	2	1	46	1	33	0	9	14	2151	0	0
0	3	0	0	0	0	1	0	1	1	3	0	3	0	0	0	0	0	0	0	0	1	2	0	0	0	0	71	0	1	0	0	0	0	0	100	0
1	6	0	0	0	0	0	0	0	19	0	2	3	4	0	1	0	1	1	1	1	0	0	0	4	0	0	0	5	4	1	1	0	0	0	1	705

0.8341803820653844

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

4205	2	0	0	1	2	2	0	0	0	5	16	51	0	0	3	2	7	6	0	4	3	6	0	11	0	1	11	3069	0	11	1	9	0	22	0	1
0	4062	0	3	1	1	0	1	2	4	7	3	4	0	0	5	0	3	0	0	1	10	2	0	4	0	3	22	6	0	1	2	133	0	0	0	4
1	0	235	0	1	0	3	0	0	5	0	8	0	1	0	0	27	64	1	2	0	0	0	3	2	0	0	0	0	1	1	1	3	4	0	0	2
0	0	0	1010	0	0	4	0	0	1	1	0	0	0	0	0	1	1	2	12	0	0	0	0	1	0	0	2	1	0	0	1	2	0	0	0	0
2	13	2	2	2459	3	24	2	3	43	7	25	26	14	0	12	2	154	8	7	5	5	19	0	20	0	1	19	30	5	11	1850	35	0	1	0	4
13	7	0	1	10	7069	23	2	0	24	20	8	21	3	2	3	0	19	12	0	9	6	3	14	8	0	13	9	18	3	16	2	51	225	1	0	4
28	28	1	20	28	66	8256	2	5	180	35	37	85	39	3	12	8	390	26	185	18	10	29	9	38	0	12	27	56	22	46	29	105	3	3	0	10
1	0	0	0	2	0	6	951	0	3	5	16	14	1	1	0	0	42	5	2	2	2	3	0	3	2	0	3	10	0	3	4	4	0	0	0	0
0	3	0	0	1	1	2	0	986	4	4	4	2	0	0	0	1	1	0	0	1	0	5	0	3	0	0	2	1	0	0	1	4	0	0	0	0
12	44	0	5	28	13	72	4	11	8555	18	98	84	77	2	71	15	369	25	20	17	6	52	3	35	1	7	24	67	11	211	60	116	0	2	0	18
0	8	0	1	0	0	1	0	1	5	7818	2	4	0	1	0	0	2	6	0	3	2	3	0	4	0	0	3	1	0	2	0	8	0	0	0	0
1	19	2	2	11	0	15	5	2	21	5	10423	11	5	0	1	4	108	7	9	18	3	26	0	17	0	0	21	18	0	2	48	48	0	2	0	9
33	52	1	5	55	5	62	5	40	152	43	67	14177	52	7	14	11	302	60	15	35	6	49	1	96	2	26	44	99	14	52	46	114	0	5	0	6
2	2	0	0	4	13	35	1	1	54	1	10	8	1144	2	3	2	217	11	4	11	1	2	8	9	0	3	0	1	36	6	8	33	17	4	0	108
2	0	0	0	0	0	0	0	1	0	3	0	1	0	1266	1	0	0	0	0	1	0	5	0	0	1	2	598	2	0	0	1	0	0	0	0	0
1	0	0	0	2	1	2	0	0	18	0	2	3	1	0	2400	0	10	0	0	11	0	5	0	6	0	3	3	2	5	9	4	6	0	0	0	2
0	6	7	0	1	1	3	0	0	36	0	8	5	5	0	5	1154	40	4	4	2	2	7	0	4	0	0	2	1	0	4	8	7	0	1	0	0
9	26	4	4	32	18	87	4	9	185	8	100	86	44	2	16	12	4332	23	35	23	11	32	5	38	0	12	19	46	27	41	46	70	0	1	0	8
4	2	1	1	3	2	4	1	0	21	5	9	15	3	17	12	4	45	7791	0	6	0	14	2	19	0	2	2	11	1	3	3	35	1	0	0	6
0	7	0	23	6	5	120	1	2	39	4	14	13	4	0	2	3	140	11	1197	2	1	10	0	15	0	1	9	10	4	14	9	27	0	0	0	4
3	3	1	2	5	5	6	0	2	8	6	6	7	9	0	8	1	54	6	9	3602	0	7	2	14	0	0	9	19	48	10	10	35	0	0	0	8
14	5	0	1	3	2	10	1	1	5	5	11	45	4	0	2	1	70	4	1	6	242	7	1	5	0	5	7	1136	4	3	9	40	0	1	0	0
0	3	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	1	0	0	0	0	2965	0	6	0	0	1	1	0	0	1	7	0	0	0	2
2	19	0	0	4	7	10	0	4	101	5	6	12	3	4	6	2	24	13	0	6	2	5	6301	13	0	21	3	2	1	12	10	123	3	0	0	3
2	5	0	0	2	0	0	0	2	0	4	5	3	0	2	2	0	3	0	0	1	0	9	0	8678	0	0	21	2	0	1	2	12	0	0	0	2
0	1	0	0	0	0	0	24	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	2	641	0	0	1	0	3	0	3	0	0	0	0
12	20	0	1	9	59	41	3	4	39	18	18	13	5	0	5	2	136	25	6	12	5	11	8	16	0	4859	10	13	8	12	20	25	22	1	0	3
1	10	0	1	1	0	1	0	5	6	0	7	5	0	57	6	1	0	1	0	5	1	11	0	7	1	5	7616	23	0	8	2	11	0	3	0	1
307	34	1	2	21	9	54	2	0	19	14	43	184	13	2	11	12	287	28	11	35	221	30	2	23	0	8	38	10511	11	15	43	97	0	10	0	5
1	3	0	0	8	4	4	1	1	12	7	13	5	17	0	4	3	102	4	2	71	1	2	3	6	0	0	5	7	835	8	4	20	0	0	0	9
10	12	1	2	6	6	33	4	4	505	14	13	30	16	1	30	5	74	16	4	9	0	18	6	28	0	4	6	13	8	4913	16	48	0	3	0	3
5	12	0	1	1296	6	8	2	6	35	5	32	16	18	0	10	4	116	9	6	17	2	13	2	25	1	2	13	22	0	17	4517	51	3	0	0	7
8	89	0	8	6	4	13	0	8	29	25	22	20	8	10	3	1	32	15	3	8	5	21	42	18	0	8	31	26	0	15	12	11409	0	0	0	10
8	4	0	3	2	1786	5	2	0	2	4	5	1	0	4	2	0	7	9	0	3	0	0	4	7	1	5	1	0	0	7	4	10	2904	0	0	1
1948	0	0	0	2	4	11	0	0	3	3	10	6	0	4	9	1	37	14	1	4	0	0	5	8	0	6	0	21	3	48	0	16	18	2491	0	0
0	3	0	0	0	0	0	0	2	3	57	0	2	1	0	0	0	1	0	0	0	0	2	0	0	0	3	113	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	6	0	0	0	14	0	1	0	1	2	0	0	0	0	0	4	1	0	0	0	1	1	1	1	0	1	0	726

0.854220705353276

Kernel: (16, 2), Nadam, categorical_hinge

3923	0	1	0	0	2	0	0	1	0	4	8	32	0	0	1	2	0	4	0	1	0	3	0	3	0	1	7	3430	0	7	2	5	0	13	0	1
0	3875	0	1	2	11	4	0	2	35	8	15	18	0	0	1	2	4	5	2	3	0	2	0	14	0	15	19	24	2	1	5	214	0	0	0	0
1	0	0	0	3	3	4	0	1	17	0	15	5	4	0	0	175	116	0	2	0	0	0	1	2	0	0	0	2	0	1	4	5	3	1	0	0
0	3	0	922	0	0	17	0	0	15	2	0	2	0	0	0	1	3	0	57	0	0	1	0	2	0	0	4	7	0	0	2	1	0	0	0	0
4	9	0	1	2090	18	13	0	10	128	9	28	126	1	0	6	10	128	13	3	5	0	18	0	40	0	2	20	68	9	17	2010	25	0	1	0	1
12	3	0	0	2	7395	9	0	0	28	14	6	33	1	0	1	0	1	8	1	2	0	0	0	8	0	6	10	35	0	15	7	6	12	2	0	2
35	22	0	31	60	161	6986	0	7	668	23	44	307	8	0	5	14	512	26	408	23	0	49	1	68	0	18	31	171	54	34	28	51	0	3	0	3
1	0	1	0	10	19	84	0	1	79	5	125	112	0	0	0	3	498	8	42	3	0	5	0	4	3	2	4	49	0	12	11	4	0	0	0	0
0	3	0	0	1	1	0	0	955	12	2	4	19	0	0	0	1	0	2	0	2	0	4	0	7	0	0	3	3	0	1	2	4	0	0	0	0
15	31	0	2	18	12	15	0	12	9058	15	96	197	6	0	9	24	74	26	15	10	0	38	1	53	0	3	24	142	13	131	48	59	0	4	0	2
1	5	0	1	0	0	5	0	1	22	7793	1	8	0	0	0	0	0	4	1	3	0	2	0	7	0	0	2	11	0	3	0	5	0	0	0	0
2	9	0	1	3	1	3	0	3	37	5	10509	37	0	0	0	8	18	16	10	6	0	23	0	8	0	1	6	52	1	4	71	26	0	0	0	3
33	30	0	6	12	10	14	0	14	100	42	55	14892	3	0	7	11	30	23	10	9	0	30	1	112	0	7	30	169	9	21	26	44	0	2	0	1
3	1	0	0	8	29	37	0	4	301	1	17	40	697	0	0	3	338	28	5	13	0	2	4	13	0	6	1	5	119	2	10	21	10	6	0	37
3	0	0	0	0	0	0	0	1	6	1	0	12	0	0	1	2	0	27	0	0	0	3	0	1	0	7	1817	2	0	1	0	0	0	0	0	0
2	2	0	0	5	3	8	0	1	277	0	2	13	0	0	1973	2	42	7	3	30	0	9	0	18	0	1	8	6	25	44	5	8	0	2	0	0
1	5	0	0	0	0	0	0	1	50	0	9	17	0	0	2	1179	12	2	2	1	0	5	0	6	0	1	2	7	1	3	6	5	0	0	0	0
10	21	0	1	53	49	46	0	9	564	13	137	277	7	0	8	40	3632	32	48	14	0	42	1	49	0	14	16	165	49	24	52	38	0	1	0	3
6	3	0	1	1	3	7	0	0	38	10	8	59	0	0	3	5	25	7755	0	4	0	15	0	43	0	3	4	21	1	7	2	19	0	1	0	1
1	10	0	37	7	6	82	0	2	116	4	22	36	2	0	0	8	145	9	1106	3	0	8	0	17	0	2	9	30	6	8	10	11	0	0	0	0
1	2	0	1	5	7	6	0	1	24	5	15	44	2	0	2	2	63	19	7	3406	0	6	1	17	0	1	10	45	161	8	16	25	0	1	0	2
20	9	0	0	1	1	0	0	1	5	4	6	40	0	0	1	2	8	3	1	3	0	7	0	4	0	1	4	1503	8	2	5	12	0	0	0	0
0	1	0	0	0	0	0	0	2	7	3	1	3	0	0	1	1	0	1	0	1	0	2930	0	16	0	1	5	2	0	2	5	9	0	0	0	0
3	18	4	0	27	118	83	0	7	962	10	16	120	2	0	4	6	148	32	3	24	0	8	4525	30	0	25	2	8	20	31	21	462	7	0	0	1
6	3	0	0	0	0	0	0	0	6	6	20	9	0	0	0	0	0	4	1	1	0	3	0	8650	0	0	17	22	0	2	5	2	0	0	0	1
0	2	0	0	0	2	0	0	0	3	2	0	3	0	0	0	0	1	2	0	1	0	0	1	2	646	0	0	8	0	2	0	4	0	0	0	0
16	19	1	1	12	120	22	0	4	160	11	26	44	3	0	1	7	72	25	10	12	0	10	3	56	0	4679	13	40	12	11	27	17	4	3	0	0
2	12	0	0	0	0	0	0	5	12	0	18	37	0	0	2	1	1	14	0	2	0	9	0	11	1	5	7595	45	0	7	3	12	0	1	0	1
281	26	0	0	4	2	1	0	0	10	11	31	100	0	0	4	9	16	17	3	11	0	24	0	24	0	4	19	11401	8	8	33	50	0	4	0	2
1	1	0	0	6	8	2	0	1	31	5	14	34	2	0	0	5	99	7	5	26	0	3	1	7	0	1	5	14	856	5	4	14	0	1	0	4
13	5	0	1	9	6	10	0	3	1145	12	16	70	2	0	7	12	44	17	4	6	0	14	1	25	0	5	9	28	7	4352	12	24	0	2	0	0
5	8	0	0	1106	28	4	0	7	116	4	35	103	0	0	4	12	95	11	4	10	0	15	0	39	1	4	14	49	5	17	4554	29	0	0	0	0
5	88	2	6	15	54	68	0	6	169	36	43	115	1	0	4	12	95	58	12	27	0	15	1	65	0	18	27	73	55	27	26	10780	0	2	0	4
8	3	0	1	0	3854	0	0	0	3	4	5	5	0	0	2	0	2	1	0	3	0	0	1	8	0	3	6	0	0	5	4	3	865	5	0	0
2294	0	6	0	2	7	1	0	0	2	1	8	12	0	0	1	1	8	2	1	1	0	1	2	2	0	1	3	71	0	22	1	6	7	2210	0	0
0	3	0	0	0	0	1	0	2	3	60	0	4	0	0	0	0	1	2	0	0	0	2	0	0	0	1	108	0	0	0	0	0	0	0	0	0
1	4	0	0	0	1	0	0	0	62	2	1	8	12	0	0	0	12	3	2	1	0	0	0	5	0	0	0	6	5	0	5	1	0	0	0	630

0.8023426828790797

Kernel: (16, 2), Nadam, logcosh

3030	0	0	0	1	0	1	0	0	0	3	4	32	1	0	2	0	0	0	0	1	4	5	0	5	0	1	10	4326	0	15	1	3	0	6	0	0
0	4143	0	1	3	1	0	2	1	10	4	3	15	0	1	4	1	3	0	0	1	15	4	0	3	0	1	16	9	0	1	3	38	0	0	0	1
1	0	173	0	7	0	7	0	0	14	0	14	5	4	0	0	73	51	0	2	0	0	1	1	2	0	0	0	2	0	2	3	2	1	0	0	0
0	3	0	1001	1	0	14	0	0	4	0	1	0	0	0	0	1	1	0	5	1	0	0	0	0	0	0	4	2	0	0	1	0	0	0	0	0
3	13	0	1	3222	3	18	4	4	70	3	20	60	4	0	7	2	33	5	5	3	4	25	0	19	0	1	15	55	3	15	1182	14	0	0	0	0
10	8	0	0	14	7234	66	31	0	29	17	5	39	1	2	3	0	2	6	0	6	10	3	7	7	0	12	10	25	4	21	3	14	26	1	1	2
18	34	1	23	45	48	8357	12	3	302	15	40	234	22	4	12	5	168	15	58	16	18	50	4	33	0	13	27	122	10	85	20	32	0	2	0	3
0	0	0	0	1	0	3	990	0	5	2	11	24	0	1	0	1	6	3	2	1	2	3	0	2	1	0	2	15	0	6	2	2	0	0	0	0
0	3	0	0	3	0	1	0	965	9	2	5	12	0	1	0	1	1	0	0	1	0	7	0	5	0	0	2	3	0	1	1	3	0	0	0	0
8	41	0	6	45	6	56	12	7	8808	12	96	194	26	2	53	13	65	18	2	15	12	50	2	26	1	4	19	109	3	343	41	55	0	1	0	2
1	22	0	1	2	1	5	1	1	13	7761	3	16	0	0	0	0	1	5	0	3	1	3	0	3	0	0	2	13	0	4	1	10	0	0	0	2
3	21	0	4	23	1	11	42	2	36	4	10401	57	3	1	0	2	11	7	6	8	6	28	0	25	0	1	20	72	0	7	36	21	0	0	0	4
24	44	0	6	41	3	27	4	6	89	17	42	14963	5	4	10	10	10	17	3	11	13	41	1	65	1	9	37	154	3	39	22	30	0	1	0	1
2	4	0	0	8	18	102	6	1	225	0	14	37	973	2	3	3	171	13	1	16	6	4	7	6	0	3	0	2	45	17	9	15	14	4	0	30
2	0	0	0	0	0	0	0	1	1	1	0	2	0	1265	1	0	0	2	0	0	0	4	0	0	1	0	600	1	0	2	1	0	0	0	0	0
1	3	0	0	8	1	7	0	0	27	0	2	7	2	2	2352	0	4	0	0	14	0	6	0	5	0	2	4	4	6	30	4	4	0	0	0	1
1	6	3	0	5	1	2	0	0	61	0	13	11	2	0	6	1147	11	2	2	1	3	8	1	4	0	0	2	10	1	7	4	3	0	0	0	0
9	28	4	4	86	34	139	45	4	531	5	136	368	34	3	20	15	3400	17	20	26	22	64	5	37	0	15	16	133	21	94	49	28	0	1	0	2
6	5	0	1	6	6	17	11	0	46	10	8	74	7	17	12	3	24	7646	0	4	2	16	2	19	0	21	3	28	7	19	1	21	0	0	0	3
1	13	0	98	11	4	270	11	1	106	3	23	59	5	0	2	5	112	8	836	5	3	18	0	14	0	2	10	25	7	26	8	11	0	0	0	0
2	5	0	1	10	4	16	4	1	12	3	11	43	9	1	3	1	37	9	4	3556	4	7	1	8	0	1	10	41	58	17	12	12	0	0	0	2
4	7	0	1	1	0	6	1	1	4	1	3	37	1	0	2	0	5	0	0	3	175	6	1	3	0	1	6	1365	1	4	5	7	0	0	0	0
0	2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2973	0	4	0	0	2	1	0	0	1	5	0	0	0	0
1	29	0	0	23	24	34	0	3	212	2	9	62	2	5	4	4	21	10	0	7	8	10	6100	14	1	16	3	3	2	37	15	62	3	0	0	1
3	7	0	0	5	0	0	0	0	1	5	5	5	0	4	4	0	0	0	0	3	0	15	0	8658	0	2	22	6	0	5	3	4	0	0	0	1
0	1	0	0	0	0	0	16	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	656	0	0	3	0	1	0	0	0	0	0	0
12	33	0	1	14	64	35	6	3	130	12	18	48	3	2	4	4	63	12	4	12	7	19	8	15	0	4783	10	32	7	19	31	14	15	1	0	0
1	16	0	0	2	0	1	0	5	12	0	6	12	0	59	6	1	0	0	0	3	2	11	0	4	1	1	7591	38	1	6	3	10	0	3	0	1
137	28	1	2	24	1	8	1	0	12	12	25	113	2	2	11	6	8	9	1	10	139	24	1	17	0	2	18	11403	1	19	25	33	0	6	0	2
1	5	1	0	14	6	20	1	0	27	3	17	41	12	0	2	3	69	6	1	63	2	5	2	4	0	0	5	20	805	13	4	8	0	0	0	2
3	11	0	1	13	3	19	7	2	434	11	14	67	5	0	18	4	20	9	1	6	1	14	4	9	0	5	9	21	4	5117	13	13	0	2	0	1
4	11	0	2	2168	6	6	8	4	62	3	32	46	5	2	5	4	31	6	2	13	4	15	1	23	1	2	10	40	1	22	3725	14	1	0	0	0
3	173	0	11	34	16	64	9	7	113	24	43	144	12	10	5	7	63	25	1	18	20	33	71	25	2	4	33	84	8	48	33	10761	0	0	0	5
9	4	0	4	3	2935	16	2	0	4	4	5	8	0	5	2	0	0	2	0	4	1	0	3	5	1	6	2	2	0	7	5	4	1747	1	0	0
2743	0	0	0	2	4	9	0	0	4	3	6	11	0	3	11	3	10	2	0	2	0	0	3	6	0	2	1	96	0	128	0	5	15	1604	0	0
0	6	0	0	0	0	1	0	2	4	37	0	4	0	0	0	0	1	0	0	0	0	2	0	0	0	1	129	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	1	0	0	31	0	1	7	21	0	1	0	4	1	1	2	0	2	0	4	1	0	0	6	2	1	2	1	0	0	0	668

0.8347369112473297

ARat_2016_07_20__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

6662	5	0	4	3	0	4	1	2	0	1918	1	23	1	8	15	0	4	72	18	38	21	3	8	2	2	5	0	0	0	27	15	2	0	0	69
14	2561	0	13	13	4	3	8	4	0	1	13	11	0	3	31	0	14	36	38	79	1404	1	6	8	4	2	17	0	14	46	74	2	1	2	1616
0	0	0	0	0	0	0	0	0	0	1	0	261	0	47	0	0	0	0	127	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	16	0	5855	9	1	23	1	9	0	21	0	55	8	6	0	0	4	2	103	54	24	20	1	5	1	23	8	0	0	18	28	4	0	4	52
18	10	0	7	5157	0	1	1	1	0	9	0	28	0	3	0	0	2	2	59	9	143	2	0	6	5	5	9	0	0	8	9	4	0	4	27
4	11	0	1	3	3609	1	0	0	0	0	8	3	1	0	44	0	3	21	25	22	25	121	5	6	3	2	33	0	7	51	28	19	0	10	4
11	11	0	12	5	0	1753	0	6	0	3	0	18	0	3	0	0	3	2	30	16	5	11	0	2	1	4	4	0	0	16	8	3	0	2	16
10	2	0	1	0	0	2	1951	25	0	3	0	4	0	5	0	0	2	2	1	29	7	0	0	1	0	0	0	0	0	2	3	0	0	0	35
4	5	0	7	3	0	3	2	827	0	3	0	8	0	16	0	0	0	3	10	35	13	2	0	2	0	2	2	0	1	14	10	2	0	2	11
5	0	0	0	2	0	7	3	222	0	0	0	4	0	12	0	0	2	1	13	4	4	2	0	1	1	2	1	0	1	5	7	0	0	1	3
480	0	0	0	0	1	0	0	0	0	3694	0	5	2	1	0	0	0	2	3	1	0	2	5	0	0	0	0	0	0	0	0	0	0	0	5
1047	0	0	9	3	0	4	1	0	0	11	4040	1	0	1	29	0	12	2321	22	12	20	0	10	7	0	0	0	0	5	11	6	4	0	0	9
16	1	0	5	2	0	0	2	0	0	22	0	6739	0	12	0	0	2	0	70	21	12	4	5	4	0	27	0	0	1	48	28	1	0	0	57
33	23	0	7	0	29	1	2	5	0	19	1	14	3603	1	11	0	2	15	114	56	6	2	3	0	3	1	40	0	0	14	23	2	3	5	10
2	1	0	1	0	0	0	0	10	0	1	0	1	0	1436	0	0	4	0	9	3	2	0	0	0	0	5	0	0	0	5	2	0	0	0	11
20	7	0	6	11	0	12	1	1	0	3	6	4	0	11	13175	0	17	2	74	13	24	0	21	5	0	0	872	0	7	19	12	1	0	1	0
3	0	0	2	0	0	0	1	0	0	1	0	491	0	3	0	0	1	0	17	3	2	0	2	0	0	2	0	0	0	9	2	0	0	0	5
16	6	0	16	10	0	3	3	0	0	8	0	4	3	2	0	0	7146	1	47	47	23	0	0	3	0	15	8	0	0	12	24	0	0	0	86
4951	67	0	58	28	0	44	19	45	0	173	98	116	7	41	91	0	36	7186	420	227	128	30	40	44	9	32	5	0	10	144	105	19	0	8	124
36	37	0	22	10	0	3	6	9	0	10	2	87	12	57	2	0	27	14	11085	106	45	19	5	8	1	36	5	0	5	59	56	3	1	4	115
15	4	0	17	7	0	4	3	2	0	4	2	31	2	8	2	0	3	2	33	6199	38	3	5	5	1	16	6	0	7	29	25	2	0	5	83
6	68	0	12	11	0	1	10	0	0	1	7	8	0	2	5	0	31	7	7	36	7156	0	11	6	0	7	0	0	14	35	47	0	0	1	264
38	60	0	9	4	57	13	4	24	0	62	0	20	48	5	10	0	1	19	206	70	35	7515	1	2	24	4	106	0	0	133	95	46	2	50	34
6	0	0	1	5	0	0	1	1	0	33	2	1	0	0	7	0	8	1	4	10	6	0	4434	2	0	598	8	0	2	4	3	0	0	0	4
14	2	0	18	4	0	4	3	8	0	1	0	18	2	2	0	0	1	0	25	11	16	8	0	4719	0	7	0	0	0	4	7	1	0	0	26
83	206	0	25	45	1	41	7	77	0	5	3	93	16	19	14	0	11	51	520	216	70	48	5	13	2753	33	70	0	6	106	178	4	1	13	66
0	0	0	0	1	0	1	0	1	0	17	0	8	1	2	0	0	0	0	5	7	4	1	68	1	0	5301	0	0	0	2	6	0	0	0	25
8	83	0	12	9	0	7	2	4	0	40	0	24	25	15	33	0	9	1	188	55	19	19	8	5	2	15	11086	0	0	63	32	15	0	4	30
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	130	2	0	0	0	8	0
0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	556	2	1	0	0	11	3
24	11	0	3	8	0	1	10	13	0	8	1	34	3	18	1	0	3	1	11	55	33	9	4	4	0	46	6	0	1	8077	53	3	0	1	115
31	39	0	24	10	0	3	16	12	0	8	1	57	3	3	2	0	10	8	64	108	89	13	2	16	3	18	8	0	8	95	8109	7	0	6	171
5	1	0	1	2	0	1	0	0	0	2	0	4	3	0	2	0	0	0	10	6	2	0	0	2	0	5	7	0	0	4	8	2380	0	0	4
0	0	0	1	0	0	0	0	0	0	13	0	0	1031	0	0	0	0	0	14	2	0	7	0	1	2	0	0	0	0	0	1	0	708	0	1
0	6	0	2	2	1	1	0	1	0	0	1	3	0	0	10	0	3	20	23	28	11	5	1	1	0	1	7	0	3	19	12	0	0	1145	1
1	51	0	0	0	0	0	0	0	0	5	1	2	0	0	0	0	1	0	3	15	14	0	0	0	0	3	0	0	0	4	0	0	0	0	7215

0.836475032567978

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

8319	2	0	4	3	0	2	1	1	1	106	15	19	1	4	2	2	2	311	18	15	14	5	7	2	3	2	0	0	0	9	8	0	0	0	55
17	3145	2	13	23	6	4	10	4	3	0	17	25	0	0	21	1	11	93	147	21	1325	5	5	8	29	0	17	0	11	24	68	4	0	3	981
0	0	0	0	0	0	0	0	0	0	1	0	196	0	11	0	0	0	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	10	0	5921	12	0	36	1	8	0	2	0	45	10	1	0	0	1	6	97	32	18	19	3	3	13	12	7	0	0	12	19	3	0	1	47
21	5	0	8	5304	0	3	1	2	0	2	0	18	0	2	0	0	0	3	38	7	46	8	1	1	12	2	10	0	0	5	7	1	0	0	22
3	10	0	1	3	3447	2	0	0	0	0	8	4	2	0	36	1	3	34	30	4	23	353	7	5	5	0	34	0	7	16	5	18	0	8	1
15	4	0	12	3	0	1787	0	7	0	0	0	14	0	3	0	0	0	7	25	12	5	13	0	2	7	3	2	0	0	5	5	1	0	0	13
17	5	0	1	1	0	4	1985	11	0	0	1	9	1	0	0	0	0	2	2	8	8	0	0	0	0	0	0	0	0	1	5	0	0	0	24
9	5	0	6	1	0	2	2	849	3	0	0	8	0	1	0	0	0	4	33	22	8	4	0	2	4	2	0	0	0	5	6	0	0	2	9
3	0	0	0	2	0	2	0	41	234	0	1	1	0	0	0	0	0	0	8	0	0	2	0	0	0	1	0	0	0	2	3	0	0	1	2
2640	0	0	0	0	3	0	0	0	0	1522	6	5	3	0	0	1	0	5	3	0	1	1	7	0	0	0	0	0	0	0	0	0	0	0	4
662	3	0	6	2	0	1	0	0	0	2	4752	1	0	1	11	1	5	2097	6	1	10	0	4	3	0	0	0	0	2	5	5	0	0	0	5
34	1	0	2	5	0	0	2	0	0	3	0	6724	0	3	0	0	0	3	176	12	9	4	3	2	1	18	0	0	1	22	20	1	0	0	33
54	7	0	3	0	33	2	3	1	0	1	2	11	3623	0	6	0	1	16	193	9	4	7	3	0	9	1	37	0	0	4	8	3	2	0	5
7	2	0	1	0	0	1	0	31	0	0	0	2	1	1359	0	0	1	0	54	3	3	3	0	0	0	5	0	0	0	8	2	0	0	0	10
24	10	0	10	19	0	18	1	1	0	0	15	3	0	6	12255	6	16	34	93	10	23	0	19	5	13	0	1696	0	5	27	12	0	0	4	0
5	0	0	1	0	0	0	1	0	0	0	0	483	0	0	0	0	1	0	41	0	0	0	1	0	0	1	0	0	0	4	2	0	0	0	4
41	42	0	42	32	0	8	6	6	0	0	0	0	10	1	0	0	6785	3	223	33	39	9	1	7	11	20	39	0	0	11	30	0	0	0	84
3569	24	0	41	25	0	22	13	12	8	4	196	86	7	12	18	4	20	9420	266	68	106	20	34	31	28	23	1	0	6	69	71	4	0	5	92
48	22	0	12	12	0	7	6	5	2	1	3	61	7	13	1	0	11	16	11406	25	31	26	4	5	7	22	4	0	1	26	22	3	0	1	77
32	9	0	28	9	0	6	7	5	1	4	2	66	7	4	1	0	6	29	169	5907	54	9	5	6	10	17	8	0	7	26	48	3	0	3	75
10	97	1	15	15	0	5	11	2	2	0	13	17	0	2	4	0	27	13	39	16	7230	1	12	6	4	2	1	0	13	22	40	1	0	0	132
75	52	0	11	4	49	16	1	20	0	19	0	21	56	2	5	0	1	58	198	23	24	7833	0	1	45	2	78	0	0	26	22	31	1	7	16
24	1	0	2	7	0	0	1	2	0	19	7	4	2	0	3	0	7	10	9	5	10	2	4614	2	4	356	19	0	2	20	4	0	0	0	5
16	2	0	32	9	0	22	4	39	0	0	0	20	3	1	0	0	0	7	49	17	24	15	0	4579	0	1	4	0	0	22	9	0	0	0	26
75	55	0	14	26	1	17	6	14	2	0	3	62	7	0	6	0	5	62	231	63	43	41	2	8	3857	18	15	0	3	40	76	2	0	2	43
0	0	0	3	4	0	1	2	0	0	8	0	21	4	2	0	0	1	1	13	4	10	2	173	2	0	5160	1	0	0	5	9	0	0	0	25
33	50	0	15	17	0	19	1	5	0	10	0	24	32	9	11	7	7	21	163	32	16	27	9	5	18	14	11138	0	0	60	30	12	0	3	25
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	120	1	0	0	0	18	0
0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	2	3	2	1	3	0	0	0	0	1	0	0	524	1	1	0	0	35	2
50	15	0	10	11	0	5	11	21	2	2	1	73	3	9	0	0	6	15	53	50	44	41	3	1	11	38	3	0	2	7902	70	0	0	0	105
41	50	0	30	14	0	15	14	21	1	2	1	78	10	1	0	0	6	42	203	47	97	39	2	14	32	10	11	0	6	62	7948	5	0	7	135
8	3	0	3	2	0	1	0	0	0	1	0	2	3	0	2	0	0	6	17	6	2	0	0	4	0	4	10	0	0	4	8	2361	0	0	2
2	0	0	1	0	0	0	0	0	0	10	0	0	1328	0	0	0	0	0	18	0	0	9	0	0	1	0	0	0	0	0	1	0	411	0	0
0	7	0	4	2	1	3	0	1	2	0	1	4	0	0	7	0	3	40	45	9	12	8	2	1	3	1	12	0	2	16	13	0	0	1107	1
7	119	0	2	1	0	0	0	0	0	2	1	13	0	0	0	0	1	0	10	11	15	0	0	0	0	2	0	0	0	1	0	0	0	0	7130

0.8502910196781158

Kernel: (4, 2), Adamax, cosine_proximity

8271	3	0	19	6	0	3	1	3	1	92	25	22	1	4	16	0	2	269	8	26	17	0	13	7	13	2	0	0	0	26	29	0	0	0	54
16	2616	0	41	25	3	4	12	6	2	0	17	33	2	2	22	1	7	102	46	41	1839	1	5	9	42	1	15	0	12	47	138	3	0	5	928
0	0	0	0	0	0	0	0	0	0	1	0	432	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	0	6175	2	0	9	1	1	0	2	0	29	2	2	0	0	0	1	3	24	16	0	0	3	9	11	2	0	0	8	21	0	0	1	37
14	1	0	26	5279	0	2	0	1	0	2	0	17	1	2	0	0	1	3	19	9	51	6	0	6	40	3	5	0	0	5	13	0	0	3	20
5	9	0	5	6	3558	6	0	0	1	0	8	4	7	0	40	0	2	42	27	5	30	126	4	6	26	4	44	0	6	20	42	20	0	16	1
14	2	0	88	4	0	1704	0	6	1	0	0	14	3	3	0	1	1	5	12	12	5	5	0	3	24	6	2	0	0	5	10	0	0	2	13
12	1	0	4	2	0	4	1967	20	2	0	3	7	1	0	0	0	0	1	0	12	9	0	0	1	0	0	0	0	0	2	13	0	0	0	24
7	3	0	17	2	0	2	3	851	3	0	0	10	1	5	0	1	0	5	2	22	12	1	0	2	9	1	0	0	0	4	12	1	0	2	9
3	0	0	0	2	0	2	0	35	245	0	1	1	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	0	0	2	4	0	0	1	2
2368	0	0	0	0	0	0	0	0	0	1796	8	6	2	1	1	0	0	9	0	1	1	0	5	0	0	0	0	0	0	0	0	0	0	0	3
599	2	0	14	3	0	1	0	0	0	2	4903	1	0	1	18	0	7	1968	3	6	11	0	9	9	2	0	0	0	2	11	8	1	0	0	4
33	1	0	13	7	0	0	2	0	1	2	0	6799	0	3	0	8	0	4	33	13	9	0	2	6	1	30	0	0	1	35	43	0	0	0	33
55	6	0	23	0	22	1	3	2	0	4	1	15	3723	0	6	0	1	17	43	13	6	0	2	0	23	2	40	0	0	5	23	1	3	4	4
4	1	0	3	0	0	0	0	19	0	0	0	6	0	1418	0	0	1	1	11	3	2	0	0	1	0	5	0	0	0	6	2	0	0	0	10
16	2	0	22	19	0	12	1	1	0	0	15	4	0	9	12683	0	16	16	48	27	23	0	21	7	30	1	1294	0	6	26	23	0	0	3	0
5	0	0	5	0	0	0	2	0	0	0	0	492	0	2	0	5	1	0	9	1	1	0	2	1	0	3	0	0	0	5	6	0	0	0	4
34	34	0	237	32	0	7	7	33	0	2	0	6	41	1	1	1	6526	5	114	49	56	0	1	13	35	24	27	0	0	31	74	0	1	4	87
3421	19	0	212	28	0	28	13	19	2	2	223	89	13	24	49	3	24	9203	122	102	120	3	38	58	98	26	2	0	7	104	152	4	0	8	89
55	43	0	84	19	0	5	9	23	4	1	3	125	35	48	2	12	17	37	10877	60	52	11	3	22	48	43	13	0	6	42	98	3	1	4	82
21	5	0	55	9	0	3	6	6	1	1	2	57	6	6	1	0	2	17	24	6042	52	3	3	9	26	19	3	0	9	27	73	1	0	3	71
8	52	0	21	20	0	2	10	2	2	0	12	15	0	2	5	0	20	11	4	20	7260	0	10	17	9	6	0	0	13	34	88	1	0	2	107
73	56	0	158	4	51	39	2	33	2	22	0	26	91	4	10	1	1	58	245	32	44	7072	1	4	340	2	99	0	0	24	126	35	2	26	14
13	1	0	8	6	0	0	1	0	0	10	5	1	0	0	5	0	6	3	1	11	8	0	4083	3	7	910	5	0	2	40	7	0	0	0	5
7	0	0	53	4	0	3	3	4	0	0	0	7	2	1	0	0	0	2	3	6	5	0	0	4760	0	5	0	0	0	5	9	0	0	0	22
55	25	0	42	20	0	10	6	7	1	0	5	57	8	1	4	1	3	31	56	59	46	5	3	12	4100	23	7	0	1	43	126	1	0	4	37
0	0	0	4	4	0	1	2	0	0	4	0	4	0	2	0	0	0	0	2	3	3	0	57	1	0	5334	0	0	0	5	12	0	0	0	13
28	46	0	96	19	0	16	2	3	0	9	0	28	37	12	38	0	8	8	116	61	18	8	8	8	74	18	10995	0	0	50	67	10	0	6	24
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	128	2	1	0	0	9	0
0	1	0	3	0	0	0	1	0	0	0	0	1	1	0	0	0	1	3	0	1	3	0	0	0	0	1	0	0	524	2	3	0	0	33	1
28	6	0	31	8	0	2	12	17	1	1	1	51	5	17	0	2	3	6	3	46	32	4	2	6	23	41	0	0	0	8012	101	3	0	0	93
27	14	0	46	8	0	3	11	9	1	2	1	44	6	2	0	1	1	14	38	34	66	4	1	17	23	14	5	0	5	46	8386	2	0	4	109
8	2	0	7	2	0	1	0	0	0	0	0	7	3	0	3	0	0	3	14	9	2	0	0	4	0	6	9	0	0	3	11	2353	0	0	2
1	0	0	3	0	0	0	0	0	0	12	0	4	1294	0	0	0	0	0	9	2	0	1	0	1	2	0	0	0	0	0	1	0	451	0	0
0	4	0	18	3	2	0	0	2	0	0	1	4	0	0	8	0	3	34	16	13	12	1	1	1	8	2	7	0	2	15	29	0	0	1120	1
9	135	0	2	1	0	0	0	0	0	1	1	18	1	2	0	0	1	0	2	15	24	0	0	0	1	8	0	0	0	4	7	1	0	0	7082

0.8484274506568908

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

8370	2	0	5	3	0	0	1	0	1	287	33	23	0	4	11	1	1	96	4	12	13	0	10	3	3	4	0	0	0	7	1	0	0	0	38
28	1832	0	11	30	8	5	14	6	7	0	22	49	0	7	38	1	16	122	85	34	2822	1	8	9	85	2	43	1	14	43	38	1	0	3	658
0	0	0	0	0	0	0	0	0	1	1	0	329	0	38	0	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	7	0	5973	14	1	22	1	7	1	5	1	55	3	4	0	0	4	3	39	39	22	0	2	12	28	26	10	0	1	12	11	0	0	3	34
28	1	0	8	5323	0	2	1	0	0	2	0	20	0	2	0	0	0	3	21	9	38	1	0	3	23	5	17	0	0	4	1	0	0	0	17
4	1	0	1	5	3784	2	0	0	0	0	11	7	0	0	48	1	4	30	13	8	25	6	7	6	13	2	35	0	7	18	3	13	0	15	1
20	0	0	13	6	0	1777	0	5	1	0	0	20	0	3	0	0	1	6	17	10	4	1	0	2	24	8	5	0	0	5	3	0	0	2	12
15	0	0	0	0	0	2	2032	2	0	0	1	7	0	0	0	0	0	1	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	19
10	2	0	6	1	0	4	4	861	7	0	0	15	0	8	0	0	0	4	4	20	9	1	0	2	13	2	3	0	1	3	0	0	0	1	6
3	0	0	0	2	0	2	0	8	275	0	1	1	0	0	0	0	1	0	1	0	0	0	0	1	1	2	0	0	0	2	1	0	0	0	2
1809	0	0	0	0	3	0	0	0	0	2360	11	5	2	1	0	0	0	2	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	2
605	0	0	5	3	0	0	1	0	0	2	6179	1	0	1	16	1	5	729	3	1	8	0	11	5	1	0	0	0	2	4	0	0	0	0	2
36	1	0	3	5	0	0	3	0	0	4	0	6873	0	6	0	0	1	0	46	11	6	0	4	4	1	20	0	0	0	27	5	0	0	0	23
60	14	0	7	4	34	5	7	4	0	6	4	20	3469	1	17	0	1	23	206	15	12	0	3	1	56	1	54	0	0	4	10	2	1	5	2
4	1	0	1	0	0	0	0	10	0	0	0	3	0	1439	1	0	3	1	5	3	1	0	0	1	0	6	1	0	0	6	0	0	0	0	7
13	0	0	6	13	0	9	1	2	0	0	21	3	0	7	13695	0	13	4	14	7	16	0	26	6	10	1	431	0	5	18	4	0	0	0	0
6	0	0	1	0	0	0	1	0	0	0	0	512	0	2	0	0	1	0	7	0	0	0	1	1	0	4	0	0	0	5	0	0	0	0	3
48	6	0	21	26	0	9	6	4	0	2	0	4	3	2	2	0	7068	0	63	15	35	0	1	9	9	25	34	0	0	13	15	0	0	0	63
5328	7	0	38	26	0	17	16	7	10	9	677	111	3	22	62	1	24	7305	105	59	108	0	43	50	55	29	1	0	8	73	39	2	0	1	69
68	18	0	15	19	0	5	11	8	6	3	4	174	5	66	6	0	21	36	11090	34	41	2	8	16	31	39	18	0	5	36	17	1	0	3	81
51	4	0	19	12	0	6	10	7	2	5	4	76	2	8	2	0	13	41	54	5956	47	1	11	13	40	22	26	0	9	34	23	0	0	4	61
12	21	0	16	22	0	3	14	3	4	1	17	22	0	3	9	0	31	15	13	18	7364	0	13	15	14	7	5	0	17	28	22	0	0	2	42
78	63	0	39	21	1441	113	7	63	3	31	1	41	61	15	21	0	2	117	904	45	52	3688	3	4	1006	3	663	0	0	74	35	35	0	58	10
10	0	0	1	5	0	0	2	0	0	17	6	2	0	0	4	0	5	2	1	2	5	0	4611	1	4	456	1	0	1	3	0	0	0	0	2
16	0	0	14	7	0	4	4	6	0	0	0	13	0	1	0	0	0	0	6	2	9	0	0	4778	1	6	0	0	0	13	3	0	0	0	18
84	17	0	7	30	1	16	6	9	2	1	7	76	1	3	9	0	6	31	85	55	42	2	3	11	4155	21	19	0	4	42	23	2	0	0	29
0	0	0	0	1	0	0	2	0	0	7	0	11	0	0	0	0	0	1	2	2	5	0	127	1	0	5279	0	0	0	3	2	0	0	0	8
33	10	0	12	16	0	12	2	3	0	14	0	23	9	14	42	1	7	7	80	32	14	1	11	8	25	14	11325	0	0	55	14	3	0	3	23
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	125	1	0	0	0	12	0
0	0	0	2	0	0	0	1	0	0	0	1	1	0	0	0	0	2	3	1	1	2	0	0	0	0	1	0	0	547	2	0	0	0	14	1
52	7	0	4	13	0	2	19	19	2	3	1	59	1	22	1	0	6	8	5	40	37	0	8	5	27	53	4	0	2	8044	34	0	0	0	79
92	47	0	37	35	0	37	27	79	8	3	1	227	3	6	2	2	9	66	134	83	139	8	6	21	217	22	87	0	14	121	7287	2	0	7	115
8	1	0	4	2	0	2	0	0	0	0	0	4	3	0	5	0	0	6	15	9	3	0	1	5	1	6	21	0	0	5	7	2339	0	0	2
2	0	0	2	2	0	0	1	0	0	11	0	1	1510	0	0	0	0	0	15	2	0	1	0	1	2	0	2	0	0	0	1	0	228	0	0
1	1	0	3	10	4	4	0	1	1	0	2	6	0	0	12	0	3	42	21	11	12	0	2	2	13	3	14	0	8	16	5	0	0	1109	1
19	193	0	1	2	0	0	2	0	0	5	1	28	0	2	0	0	2	2	4	14	48	0	1	2	0	13	0	1	0	4	0	0	0	0	6971

0.8341978967189789

Kernel: (16, 2), RMSprop, categorical_crossentropy

7929	2	0	4	3	0	9	1	0	1	356	5	35	1	4	19	2	0	368	3	27	26	11	7	6	10	7	11	0	0	14	11	0	0	1	60
7	3193	0	11	14	0	3	8	2	1	0	8	21	0	0	38	0	10	74	34	24	1408	0	8	8	36	1	51	1	10	15	53	0	0	2	1002
0	0	260	0	0	0	0	0	0	0	1	0	154	0	0	0	0	0	0	16	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
39	11	0	5948	6	0	35	1	1	0	5	0	45	6	3	0	9	3	7	19	41	26	9	2	15	21	23	34	0	0	9	19	0	0	3	45
23	10	0	5	5217	0	4	1	0	0	4	0	25	2	2	0	1	1	3	15	10	71	2	0	9	32	6	39	1	0	8	8	0	1	9	20
2	39	0	3	3	3530	6	1	0	0	0	3	8	1	0	43	0	3	50	17	24	37	81	7	8	17	3	108	1	8	18	18	13	0	17	1
10	11	0	11	2	0	1789	0	0	0	0	0	15	0	2	0	6	1	3	10	11	5	6	0	2	8	7	22	0	0	2	5	0	0	4	13
12	2	0	1	0	0	6	1972	8	0	0	1	8	0	0	0	1	0	3	2	19	8	0	0	0	0	3	2	0	0	2	5	0	0	0	30
6	6	0	7	1	0	9	2	845	0	0	0	10	0	1	0	2	0	6	3	21	10	1	0	4	9	4	15	0	0	5	5	0	0	6	9
4	1	0	0	2	0	5	0	52	209	0	0	1	0	0	0	0	0	2	3	3	2	2	0	1	2	2	1	0	1	2	3	0	0	1	4
1683	1	0	0	0	4	0	0	0	0	2469	0	5	5	1	2	0	0	11	1	1	2	2	3	0	0	0	7	0	0	0	0	0	0	0	4
710	4	0	6	2	0	2	2	0	0	2	3213	1	0	1	32	0	5	3536	6	6	22	0	5	10	2	0	0	0	3	5	6	0	0	0	4
19	6	0	4	3	0	0	2	0	0	5	0	6868	2	1	0	9	1	1	22	15	14	1	3	4	3	16	2	0	2	22	19	0	0	0	35
40	22	0	6	0	28	1	3	0	0	7	1	13	3722	0	12	0	1	13	57	14	3	0	2	1	19	2	53	1	0	4	9	2	1	4	7
2	3	1	1	0	0	2	0	12	0	0	0	6	0	1423	0	0	3	1	6	3	2	1	0	2	0	4	3	0	0	9	1	0	0	1	7
5	2	0	4	8	0	8	1	1	0	0	6	1	0	3	13067	0	9	10	10	7	14	0	14	7	7	0	1126	0	5	5	5	0	0	0	0
2	1	0	1	0	0	0	1	0	0	0	0	504	0	0	0	12	0	0	4	1	2	0	0	1	0	3	0	0	0	4	2	0	0	0	6
43	34	0	25	10	0	8	10	4	0	1	0	6	3	1	0	11	6840	4	69	27	34	7	0	14	21	34	118	0	0	15	33	0	0	1	110
3296	40	0	51	22	0	54	14	6	2	15	45	109	7	14	69	25	20	9639	108	101	123	34	33	50	69	38	43	1	7	79	76	0	0	8	107
52	107	0	30	11	0	9	8	8	3	3	2	137	42	22	3	72	15	35	10780	71	43	33	7	21	54	42	88	4	3	44	45	1	0	5	87
16	11	0	16	5	0	4	5	0	1	3	1	42	8	3	3	5	6	14	28	6111	39	2	6	11	16	26	28	0	7	20	32	0	0	5	89
4	164	0	12	8	0	3	11	1	1	1	6	13	0	2	8	1	28	7	5	16	7211	0	12	11	11	6	5	0	14	17	26	0	0	1	148
68	163	0	29	3	80	55	3	5	0	18	0	24	62	3	8	7	2	53	186	45	49	6104	0	6	162	3	1288	2	0	26	82	22	0	126	13
16	0	0	2	4	0	0	1	0	0	8	4	3	0	0	10	0	7	5	3	6	8	0	4339	3	5	657	53	0	2	1	0	0	0	0	4
7	0	0	5	3	0	2	4	3	0	0	0	8	3	1	0	1	0	2	2	4	9	0	1	4807	2	4	3	0	0	6	3	0	0	0	21
54	75	0	13	14	0	24	6	3	1	1	5	54	6	1	11	2	4	38	50	70	50	14	2	12	4043	29	82	0	3	32	57	1	0	1	41
0	0	0	0	0	0	1	0	0	0	4	0	13	0	1	0	0	0	0	2	3	1	1	61	1	1	5347	2	0	0	0	1	0	0	0	12
25	17	0	8	7	0	3	1	3	0	5	0	24	9	6	12	0	5	4	23	28	12	8	6	5	10	18	11510	2	0	19	15	4	0	2	22
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	12	114	1	0	0	0	11	0
0	3	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2	1	1	1	0	0	0	0	1	0	1	526	0	3	0	0	35	0
31	30	0	8	7	0	5	13	9	0	2	1	56	4	5	1	24	3	11	4	72	52	6	2	5	22	61	65	0	4	7874	58	0	1	5	116
35	54	0	31	9	0	24	12	15	0	2	0	93	11	1	1	15	4	45	47	76	106	25	3	22	64	27	90	0	6	47	7899	1	0	10	169
10	7	0	4	2	0	9	0	1	0	0	0	10	6	0	3	0	0	11	12	10	3	3	0	8	0	7	50	0	0	3	17	2265	0	4	4
0	0	0	0	0	0	0	0	0	0	11	0	1	1580	0	0	0	0	0	8	0	2	5	0	0	2	0	1	0	0	0	0	0	171	0	0
0	11	0	5	1	0	4	1	0	0	0	1	4	0	0	9	0	3	37	20	32	10	0	1	2	14	2	23	0	2	13	10	0	0	1101	1
4	149	0	0	0	0	0	0	0	0	2	1	7	0	1	0	1	0	0	1	12	10	0	0	0	0	8	0	0	0	0	1	0	0	0	7118

0.8442918419837951

Kernel: (16, 2), Adadelta, cosine_proximity

7996	1	0	15	2	0	3	1	2	0	640	21	20	0	5	10	0	2	60	8	12	8	0	5	18	2	0	0	0	0	7	12	0	0	0	83
23	1868	0	18	23	3	6	7	2	0	0	16	32	0	1	18	0	8	26	72	4	176	0	5	19	8	2	9	0	0	4	43	5	0	6	3639
0	0	0	0	0	0	0	0	0	0	1	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	3	0	6128	7	1	11	1	0	0	8	0	42	2	2	1	0	1	0	18	9	9	0	1	18	2	12	0	0	0	2	12	0	0	1	68
27	15	0	22	5261	0	2	1	0	0	6	0	20	0	1	0	0	0	1	31	4	20	1	0	32	4	4	0	0	0	1	8	4	0	2	62
15	24	0	3	3	3714	9	0	0	0	1	11	10	0	0	40	0	3	18	59	0	8	32	6	11	4	1	38	0	0	10	13	18	0	9	10
18	22	0	90	4	0	1630	0	3	0	1	0	17	2	1	0	0	0	5	29	4	2	4	0	50	9	5	5	0	0	2	10	7	0	1	24
13	0	0	1	1	0	3	1957	26	0	0	1	8	1	0	0	0	0	3	7	3	4	0	0	4	0	0	0	0	0	0	3	0	0	0	50
11	21	0	34	2	0	18	3	733	0	0	0	16	0	4	0	0	0	5	43	13	6	1	0	24	2	1	5	0	0	1	15	4	0	4	21
5	1	0	3	2	0	11	0	243	0	0	1	4	0	0	0	0	1	0	16	1	2	1	0	1	0	1	0	0	0	0	5	0	0	2	3
1274	0	0	0	0	0	0	0	0	0	2898	3	5	1	1	0	0	0	4	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	10
854	1	0	11	1	0	0	1	0	0	11	5941	4	0	1	16	0	4	682	6	2	4	0	6	11	0	0	0	0	0	3	3	2	0	0	21
28	0	0	5	5	0	0	1	0	0	12	0	6866	0	2	0	0	0	0	42	10	4	0	4	10	0	23	0	0	0	5	12	0	0	0	50
53	17	0	7	1	24	5	3	1	0	17	3	16	3376	0	9	0	1	11	393	4	2	0	4	5	5	1	44	0	0	3	15	2	0	2	24
8	5	0	3	4	0	0	0	28	0	1	0	11	0	1267	1	0	3	0	132	1	1	0	0	3	0	5	0	0	0	2	1	0	0	1	16
41	10	0	25	11	0	10	1	1	0	3	11	15	0	7	13112	0	13	2	87	3	14	0	23	18	6	0	875	0	0	9	13	3	0	4	8
4	0	0	3	0	0	0	0	0	0	1	0	506	0	1	0	0	1	0	15	0	0	0	1	2	0	3	0	0	0	0	1	0	0	0	6
35	51	0	78	27	0	9	6	1	0	5	0	5	7	1	2	0	6750	0	179	9	24	0	2	45	2	15	14	0	0	2	35	1	0	0	178
6022	45	0	259	29	0	43	14	18	0	40	742	129	4	16	76	0	26	5829	306	28	68	2	37	156	16	23	2	0	0	46	79	8	0	12	230
67	16	0	32	14	0	5	7	7	0	11	5	163	3	12	3	0	14	6	11186	12	24	2	3	39	1	42	9	0	0	7	29	2	0	3	163
60	156	0	173	18	0	24	8	6	0	6	2	107	10	5	3	0	10	49	318	5038	51	2	8	39	41	24	35	0	0	19	94	8	0	24	225
12	353	0	21	28	0	6	9	1	0	1	15	38	0	3	10	0	22	11	35	5	5535	0	12	35	2	9	1	0	0	16	49	5	0	5	1514
59	98	0	119	2	88	42	3	7	0	52	2	28	60	1	21	0	2	33	474	14	14	6995	1	177	38	3	77	0	0	10	123	49	0	40	65
8	1	0	6	4	1	1	2	1	0	41	2	3	0	0	4	0	7	2	4	2	3	0	4497	4	1	527	6	0	0	0	4	0	0	0	10
7	0	0	9	3	0	0	1	0	0	0	0	5	1	0	0	0	0	0	2	0	0	0	1	4843	0	1	0	0	0	0	2	0	0	0	26
91	140	0	77	35	2	31	7	13	0	3	5	82	6	0	8	0	6	37	357	29	37	7	5	74	3413	27	27	0	0	26	127	2	0	2	123
0	0	0	4	4	0	3	2	0	0	16	0	11	1	2	0	0	2	0	3	2	2	1	153	4	0	5201	0	0	0	3	5	0	0	0	32
14	125	0	111	19	0	10	1	3	0	38	0	31	21	6	58	0	9	2	189	25	9	4	9	79	11	20	10862	0	0	16	57	19	0	5	60
0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	137	0
1	1	0	3	2	0	0	1	0	0	0	1	5	0	0	0	0	2	2	8	1	1	0	0	3	0	2	1	0	0	2	9	0	0	528	6
68	306	0	99	19	0	21	14	78	0	3	1	545	3	26	2	0	10	27	215	50	46	13	6	96	41	72	102	0	0	6019	320	8	0	7	340
53	52	0	59	15	0	30	16	6	0	5	1	122	3	2	5	0	5	18	134	16	62	3	3	46	13	13	8	0	0	15	7950	6	0	10	273
9	3	0	4	2	0	2	0	0	0	2	0	6	3	0	3	0	0	1	11	6	2	0	0	9	0	5	7	0	0	1	8	2359	0	0	6
2	0	0	1	0	0	0	0	0	0	12	0	3	1725	0	0	0	0	0	28	0	0	1	0	2	0	0	2	0	0	0	1	0	0	0	4
2	32	0	37	6	5	6	0	1	0	0	2	5	0	0	7	0	3	29	52	1	5	1	2	34	2	2	15	0	0	8	30	0	0	1009	11
1	33	0	0	0	0	0	0	0	0	2	0	8	0	0	0	0	0	0	2	11	1	0	0	1	0	1	0	0	0	0	0	1	0	0	7254

0.8040794491767883

Kernel: (16, 2), Adam, categorical_hinge

8170	2	0	9	3	0	0	2	2	1	375	14	20	0	4	22	0	1	178	3	23	7	0	12	4	5	0	0	0	0	12	24	0	0	0	40
38	3284	0	18	31	6	4	15	2	3	3	16	64	0	9	35	0	14	112	81	125	956	1	8	9	50	1	37	0	0	43	202	11	1	18	846
0	0	0	0	0	0	0	0	0	0	1	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	2	0	6045	5	0	7	1	1	0	5	0	42	4	4	0	0	2	1	10	60	14	0	3	4	13	16	3	0	0	8	49	0	0	6	38
20	5	0	24	5291	0	0	1	0	0	5	0	16	0	1	0	0	1	1	15	9	48	1	0	6	20	7	2	0	0	5	17	3	0	9	22
7	9	0	7	4	3664	1	1	0	2	1	9	17	3	0	46	0	3	31	25	2	17	51	7	3	8	2	59	0	0	16	35	25	0	13	2
19	9	0	132	5	0	1610	0	3	0	0	0	16	2	3	0	0	1	10	12	19	4	6	0	2	24	7	6	0	0	5	28	5	0	4	13
9	1	0	1	0	0	1	2026	2	2	0	0	2	0	0	0	0	0	1	0	8	3	0	0	0	0	0	0	0	0	0	11	0	0	0	18
9	4	0	18	3	0	4	4	736	9	0	0	16	0	7	0	0	0	5	16	40	9	1	0	2	32	2	3	0	0	4	46	3	0	6	8
4	1	0	0	3	0	1	0	13	259	0	1	3	0	0	0	0	0	0	3	2	0	0	0	1	1	1	0	0	0	0	7	0	0	1	2
1689	0	0	0	0	0	0	0	0	0	2487	6	5	1	0	0	0	0	3	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	2
781	1	0	6	2	0	0	2	0	0	6	4876	3	0	1	24	0	6	1822	3	7	4	0	13	7	0	0	0	0	0	7	10	0	0	0	4
29	0	0	9	6	0	0	5	0	1	12	0	6869	0	1	0	0	0	0	17	16	5	0	4	3	0	28	0	0	0	24	29	0	0	0	21
57	9	0	11	1	31	1	4	2	0	18	3	20	3609	0	10	0	1	15	91	21	3	0	6	0	27	1	44	0	0	4	42	3	4	6	4
5	2	0	3	2	0	0	0	9	0	1	0	12	0	1415	2	0	2	1	7	4	2	0	0	1	0	5	0	0	0	6	4	0	0	1	9
27	3	0	21	14	0	6	1	1	0	2	9	11	0	6	13016	0	16	4	20	24	15	0	33	5	9	0	1048	0	0	14	16	1	0	3	0
5	0	0	1	0	0	0	2	0	0	1	0	509	0	1	0	0	1	0	4	0	1	0	2	1	0	3	0	0	0	5	4	0	0	0	4
40	84	0	70	24	0	4	9	9	0	3	0	10	26	4	1	0	6676	3	140	39	51	0	2	9	9	19	33	0	0	24	111	0	0	3	80
4379	15	0	93	29	1	6	17	6	5	21	250	114	4	24	96	0	22	8405	104	134	82	4	57	46	49	19	2	0	0	86	142	3	0	12	78
87	17	0	66	25	0	5	11	1	4	7	3	256	8	35	4	0	16	29	10805	84	39	4	9	15	19	42	32	0	0	34	131	4	0	7	88
30	4	0	30	9	0	3	6	0	1	5	2	55	4	5	2	0	7	6	18	6157	29	1	8	3	11	16	3	0	0	16	65	0	0	7	60
19	127	0	19	29	0	1	14	1	2	2	15	40	0	4	10	0	29	26	25	78	6912	0	15	15	17	10	1	0	0	40	147	1	0	15	139
64	72	0	146	5	67	17	4	32	1	40	0	34	73	4	16	0	1	58	242	37	25	7027	3	2	207	2	108	0	0	19	267	41	4	68	11
3	0	0	1	2	0	0	2	1	0	36	0	2	0	0	0	0	7	2	0	8	1	0	4635	1	2	425	2	0	0	4	5	0	0	0	2
14	0	0	136	6	0	1	3	5	0	1	0	20	2	1	0	0	0	0	8	14	9	0	3	4612	4	6	1	0	0	10	24	1	0	0	20
85	40	0	33	26	2	8	7	4	1	4	3	78	3	1	9	0	4	35	103	102	35	4	7	8	3901	22	23	0	0	41	170	2	0	6	32
0	0	0	2	1	0	1	3	0	0	16	0	7	1	1	0	0	1	1	0	7	1	1	200	1	0	5180	0	0	0	5	13	0	0	1	8
10	25	0	89	18	0	5	3	3	0	33	0	28	22	8	49	0	6	9	57	109	15	2	12	7	23	18	11122	0	0	31	76	6	0	4	23
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	136	0
0	0	0	3	2	1	0	1	0	0	0	1	6	0	0	0	0	2	6	4	4	1	0	0	0	0	2	2	0	0	2	17	0	0	522	3
49	13	0	11	14	0	3	24	17	1	9	1	78	3	16	1	0	4	10	11	164	33	2	8	5	27	48	13	0	0	7716	183	3	0	3	87
39	6	0	24	7	0	0	13	1	1	5	0	64	2	2	3	0	3	11	21	51	35	1	3	13	21	11	3	0	0	31	8470	2	0	5	96
8	4	0	6	2	0	1	0	0	0	1	0	7	3	0	3	0	0	5	7	12	3	0	0	3	0	5	13	0	0	3	27	2333	0	0	3
0	0	0	2	0	0	0	0	0	0	15	0	6	1224	0	0	0	0	0	7	2	0	1	0	0	2	0	2	0	0	0	1	0	519	0	0
2	4	0	27	3	2	1	2	1	0	0	1	7	0	0	8	0	2	38	20	41	6	2	1	1	7	2	13	0	0	12	63	0	1	1039	1
15	199	0	1	1	0	0	2	0	0	6	1	36	1	1	1	0	1	1	9	26	16	0	0	1	1	11	0	0	0	4	22	3	0	0	6956

0.8466353535365216

Kernel: (16, 2), Adamax, cosine_proximity

8277	1	0	3	3	0	7	0	0	0	272	24	16	0	3	16	0	6	174	3	14	12	0	9	3	2	3	0	0	0	24	16	0	0	0	45
21	3286	0	21	19	3	10	9	2	3	1	18	34	4	0	29	2	16	109	26	23	996	1	6	9	28	1	7	1	13	43	117	4	0	1	1180
0	0	0	0	0	0	0	0	0	0	1	0	434	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	8	0	6064	5	0	19	1	1	0	5	1	40	5	2	0	1	4	4	11	26	17	2	2	3	8	16	4	0	0	12	30	0	0	1	45
30	11	0	18	5223	0	3	1	0	0	2	0	21	1	2	0	0	1	3	12	6	74	2	0	4	39	6	5	0	0	12	19	7	0	4	23
7	20	0	3	4	3602	14	0	0	1	0	8	8	3	0	54	1	5	41	10	5	21	99	6	5	12	3	34	2	5	26	35	18	0	16	2
18	6	0	17	4	0	1781	0	2	0	0	0	16	0	3	0	3	2	6	11	7	5	5	0	2	15	5	2	0	0	5	15	1	0	0	14
16	1	0	3	0	0	15	1960	4	3	0	1	5	0	0	0	0	0	5	0	12	8	0	0	3	0	1	0	0	0	2	16	0	0	0	30
8	7	0	22	2	0	11	4	785	1	0	0	10	2	3	0	4	0	10	6	24	12	2	0	2	14	2	2	0	1	11	28	2	0	3	9
4	0	0	0	2	0	2	0	23	244	0	1	1	0	0	0	0	1	1	3	2	2	1	0	1	0	2	0	0	1	2	6	0	0	1	3
1856	0	0	0	0	1	0	0	0	0	2313	8	5	2	0	0	0	0	9	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	3
729	2	0	6	2	0	1	0	0	0	4	5067	1	0	1	20	0	9	1694	1	4	9	0	8	6	1	0	0	0	2	7	7	1	0	0	3
32	2	0	6	5	0	0	1	0	0	10	0	6846	0	1	0	3	5	2	22	11	6	0	4	3	0	25	0	0	1	31	30	0	0	0	33
55	23	0	5	0	26	2	3	1	0	9	1	18	3706	0	19	0	1	23	44	8	3	1	4	0	18	1	37	0	0	4	22	2	3	3	6
5	5	0	1	0	0	0	0	12	0	1	0	9	0	1400	2	0	5	1	10	3	3	2	0	0	1	6	1	0	0	10	3	0	0	2	11
18	6	0	6	10	0	16	1	1	0	1	14	2	0	4	13834	0	17	10	17	8	19	0	24	5	7	0	255	0	6	24	20	0	0	0	0
7	0	0	3	0	0	0	2	0	0	0	0	500	0	2	0	6	1	0	3	1	0	0	2	1	0	3	0	0	0	6	3	0	0	0	4
26	22	0	25	21	0	8	6	1	0	2	0	5	12	2	1	0	7101	1	30	14	24	0	2	5	5	15	7	0	0	10	55	0	0	1	82
4693	16	0	65	20	0	52	13	5	3	12	250	83	6	16	75	5	31	8250	62	60	107	5	38	46	40	26	1	1	9	96	117	4	0	5	93
75	56	0	54	16	0	11	9	7	3	4	4	152	39	30	9	65	30	53	10739	49	46	26	9	19	42	40	20	2	5	55	108	3	1	3	103
46	14	0	44	8	0	13	5	1	1	5	2	65	15	6	2	7	12	38	29	5919	49	4	8	7	25	21	6	0	9	39	72	2	0	7	82
8	113	0	19	12	0	3	9	0	2	1	13	19	0	2	7	0	31	19	6	13	7123	2	12	13	7	5	0	0	14	38	73	2	0	1	186
75	79	0	34	3	52	70	1	6	0	31	0	24	74	3	15	3	2	56	102	23	31	7327	1	2	186	3	92	1	0	32	267	37	2	43	20
9	0	0	3	4	0	0	1	0	0	22	5	1	1	0	7	0	7	5	1	3	5	0	4566	3	2	475	2	0	1	12	4	0	0	0	2
16	1	0	29	5	0	3	3	4	0	0	0	14	2	1	0	0	1	0	2	4	10	2	0	4742	1	6	0	0	0	15	14	0	0	0	26
75	60	0	22	20	1	23	6	4	1	2	6	66	11	1	8	6	8	57	53	53	48	11	5	10	3953	23	14	0	4	54	143	2	0	2	47
0	0	0	1	1	0	1	1	0	0	10	0	7	0	1	0	1	1	0	1	3	4	1	121	1	0	5269	0	0	0	5	7	0	0	0	15
23	86	0	20	16	0	30	2	2	0	18	0	25	26	6	80	0	10	12	72	41	15	8	12	5	44	17	11027	1	0	70	105	10	0	4	26
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	15	110	1	0	0	0	13	0
1	0	0	2	0	0	0	1	0	0	0	0	1	1	0	0	0	2	2	0	1	1	0	0	0	0	2	0	4	526	1	6	0	0	25	3
37	8	0	11	6	0	3	16	7	1	2	1	47	2	4	1	8	5	4	2	43	21	2	4	3	6	45	0	0	1	8092	73	0	0	1	101
41	17	0	32	4	0	9	8	2	1	2	1	53	8	1	0	2	3	19	22	30	61	6	3	14	25	15	3	0	9	60	8358	1	0	2	132
9	7	0	3	2	0	3	0	0	0	1	0	5	3	0	5	0	0	4	10	6	2	0	0	4	0	5	9	0	0	5	29	2334	0	0	3
1	0	0	1	0	0	0	0	0	0	12	0	4	1275	0	0	0	0	0	10	1	0	6	1	0	2	0	1	0	0	0	1	0	466	0	0
1	6	0	5	2	2	4	0	0	1	0	1	4	2	0	12	1	3	42	14	8	11	2	1	1	4	1	6	2	2	15	37	0	0	1115	2
10	95	0	2	1	0	0	0	0	0	5	1	18	0	0	0	0	1	0	1	14	16	0	0	0	0	6	0	0	0	2	4	1	0	0	7138

0.8600735247135163

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

8097	1	0	9	7	0	6	1	0	1	210	65	44	1	4	5	1	2	361	5	16	15	4	7	3	5	5	0	0	0	5	7	0	0	0	46
16	2870	1	25	26	8	4	13	0	7	1	22	63	1	0	24	7	9	118	102	25	1795	1	8	8	42	0	23	0	8	20	62	4	0	1	729
0	0	0	0	0	0	0	0	0	0	1	0	381	0	2	0	3	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	9	0	6115	10	0	13	1	1	0	2	0	42	3	2	0	10	3	3	12	22	15	4	2	9	13	13	4	0	0	5	10	0	0	0	31
14	0	0	11	5354	0	3	1	0	0	2	0	18	0	2	0	1	0	4	31	6	25	2	0	4	19	1	7	0	0	2	2	1	0	0	19
3	3	0	3	4	3782	2	0	0	0	0	8	5	2	0	40	0	2	32	25	6	21	48	7	5	5	1	28	0	4	10	5	16	0	2	1
11	4	0	32	5	0	1765	0	0	0	0	0	22	0	2	0	8	1	6	20	11	5	6	0	2	17	3	4	0	0	4	4	0	0	0	13
19	1	0	3	0	0	8	1985	1	0	0	1	15	1	0	0	0	0	2	2	13	6	1	0	0	1	1	0	0	0	1	2	0	0	0	22
10	5	0	27	1	0	7	3	750	25	0	0	13	2	6	0	8	0	10	31	23	11	1	0	3	24	2	3	0	0	4	4	4	0	1	9
4	0	0	0	3	0	1	0	5	273	0	1	2	0	0	0	0	1	0	2	1	0	1	1	1	0	1	0	0	0	1	2	0	0	0	3
2276	0	1	0	0	4	0	0	0	0	1873	18	6	6	1	0	0	0	5	2	0	1	0	4	0	0	1	0	0	0	0	0	0	0	0	3
437	0	0	14	3	0	4	0	0	0	2	5977	2	0	1	7	0	9	1093	2	3	6	1	3	7	1	0	0	0	1	2	5	1	1	0	3
21	2	0	7	5	0	0	1	0	0	3	0	6933	0	2	0	0	1	2	31	11	0	1	3	5	0	18	0	0	0	15	7	0	0	0	11
43	8	0	9	1	38	2	5	0	0	4	3	22	3735	0	8	0	1	19	65	13	3	2	2	0	19	2	26	0	0	4	8	2	2	0	2
4	3	0	3	0	0	1	0	7	1	0	0	5	1	1397	0	3	1	1	40	3	3	0	0	1	1	5	1	0	0	5	1	0	0	0	6
19	1	0	42	37	0	49	1	1	0	0	38	7	0	7	12248	0	17	39	110	11	23	0	23	9	22	1	1587	0	5	15	10	0	0	3	0
2	0	0	0	0	0	0	0	0	0	0	0	522	0	0	0	3	0	0	11	0	0	0	0	1	0	2	0	0	0	1	0	0	0	0	2
49	64	1	61	117	0	22	5	3	0	2	0	5	33	3	2	8	6572	14	157	35	52	7	0	15	27	32	60	0	0	16	35	0	0	0	86
3359	9	4	87	27	1	34	14	1	8	9	542	142	6	10	15	14	19	9356	109	63	95	13	38	48	49	27	3	0	4	55	60	3	0	2	79
53	38	0	33	13	0	4	5	2	4	2	5	231	21	14	1	77	15	36	11056	43	26	17	6	19	15	29	6	0	0	19	26	2	2	2	65
31	6	0	46	10	0	5	5	2	2	6	3	89	7	2	1	12	3	31	67	5998	43	4	8	11	21	19	9	0	3	17	31	3	0	1	67
11	87	0	18	22	0	5	10	2	4	1	20	41	0	2	3	2	18	13	21	16	7269	2	16	18	8	4	3	0	10	20	33	0	0	0	74
71	51	0	67	17	95	57	2	2	2	26	1	27	59	3	8	4	1	76	455	27	31	7244	1	3	145	1	119	0	0	17	33	37	1	5	9
20	0	0	7	7	0	0	1	0	0	9	13	3	1	0	1	0	7	4	5	4	4	0	4612	3	5	429	4	0	0	0	0	0	0	0	2
11	0	0	14	5	0	4	3	1	0	0	0	11	0	1	0	1	0	2	7	2	2	2	1	4807	1	4	0	0	0	2	1	0	1	0	18
73	27	0	29	31	2	21	6	2	3	0	6	83	8	0	4	22	2	40	132	61	46	21	3	12	4001	20	19	0	0	36	53	2	1	0	33
0	0	0	1	8	0	1	0	0	0	7	0	21	2	1	0	0	0	1	5	3	5	1	134	1	2	5242	0	0	0	0	5	0	0	0	11
39	24	1	86	27	0	63	0	2	0	10	0	36	56	11	17	1	7	23	222	36	16	10	12	14	24	14	10974	0	0	31	25	9	0	2	21
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	121	2	0	0	0	16	0
0	2	0	3	0	0	0	1	0	0	0	1	3	0	0	0	0	2	6	2	1	5	0	1	1	0	1	1	0	438	2	6	0	0	102	1
67	22	0	18	14	2	1	15	7	4	5	4	135	12	7	0	57	3	23	16	63	43	10	6	10	25	44	9	0	0	7781	65	3	0	0	86
44	50	0	68	25	0	10	16	9	3	4	1	160	9	1	0	55	1	53	130	66	107	36	3	24	83	14	16	0	2	54	7770	5	0	3	122
8	0	0	4	4	0	1	0	0	0	0	0	5	3	0	2	0	0	5	13	6	2	0	0	4	0	6	10	0	0	3	6	2365	0	0	2
0	0	0	2	0	1	0	0	0	0	9	0	2	943	0	0	0	0	0	9	0	0	5	0	1	1	0	0	0	0	0	1	0	807	0	0
0	11	0	15	7	3	3	0	1	3	0	1	5	0	0	9	2	2	55	41	22	13	4	2	4	26	1	14	0	2	12	20	0	1	1027	1
11	208	0	0	4	0	0	0	0	0	5	1	57	0	1	0	1	1	1	4	15	21	0	0	0	0	9	0	0	0	1	0	0	0	0	6975

0.8549525320529938

Kernel: (16, 2), Nadam, categorical_hinge

7956	2	0	15	3	0	4	2	0	0	528	20	22	1	0	39	0	6	152	5	15	23	0	10	11	8	2	1	0	0	18	24	0	0	0	66
19	1306	0	20	10	6	3	14	0	0	1	14	55	0	0	20	0	19	53	12	13	2916	1	6	10	7	3	13	0	10	17	86	2	0	4	1403
0	0	0	0	0	0	0	0	0	0	1	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	9	0	6040	4	0	15	1	0	0	8	1	54	4	0	0	0	5	0	13	21	37	13	2	18	7	21	2	0	0	5	35	0	0	1	44
19	4	0	15	4827	0	0	1	0	0	5	0	33	0	0	0	0	3	0	6	7	486	4	0	23	16	8	2	0	0	10	14	7	0	8	31
10	4	0	2	3	3700	0	0	0	0	0	8	15	1	0	38	0	4	23	13	1	31	97	5	6	5	4	37	0	7	15	17	9	0	13	2
15	16	0	29	3	0	1727	0	0	3	1	0	20	2	0	0	0	3	5	11	12	17	7	0	5	8	8	3	0	0	3	24	5	0	3	15
10	0	0	4	0	0	1	2015	0	0	0	1	9	0	0	0	0	0	0	1	3	5	0	0	2	0	2	0	0	0	0	6	0	0	0	26
11	45	0	49	1	0	13	5	0	327	0	0	21	0	0	0	0	0	9	10	25	78	20	0	19	26	4	4	0	0	6	91	1	0	213	9
5	0	0	3	2	0	1	1	0	226	0	1	6	0	0	0	0	2	4	10	3	6	1	0	2	3	2	0	0	1	1	18	0	0	2	3
1388	0	0	0	0	0	0	0	0	0	2775	4	6	2	0	0	0	0	6	1	0	2	0	10	0	0	0	0	0	0	0	0	0	0	0	7
844	0	0	7	1	0	1	2	0	0	5	4480	5	0	0	36	0	10	2110	6	2	21	0	15	11	0	0	0	0	3	12	5	2	0	0	7
21	0	0	4	0	0	0	2	0	0	18	0	6903	0	0	0	0	1	1	14	10	14	0	3	4	0	21	0	0	0	17	14	0	0	0	32
43	20	0	23	1	29	3	6	0	0	17	1	23	3573	0	7	0	1	14	93	14	26	6	2	2	19	2	52	0	0	4	50	4	2	2	9
18	19	0	4	3	1	1	0	0	718	2	0	40	1	0	2	0	7	4	128	4	18	19	0	2	8	9	6	0	1	14	4	0	0	448	12
10	4	0	16	13	0	15	2	0	1	2	12	19	0	0	12606	0	21	0	35	6	36	0	26	12	9	0	1434	0	7	20	16	0	0	1	2
2	0	0	2	0	0	0	1	0	0	2	0	516	0	0	0	0	1	0	1	0	3	0	1	2	0	3	0	0	0	3	3	0	0	0	4
17	9	0	36	6	0	3	8	0	0	1	0	15	3	0	0	0	7193	1	32	5	39	0	0	14	0	9	0	0	0	0	20	0	0	0	72
4910	39	0	197	22	0	48	27	0	5	27	159	121	12	0	144	0	40	7525	149	52	205	12	46	78	61	31	4	0	13	83	160	6	0	13	116
68	70	0	70	15	0	4	9	0	13	8	2	644	4	0	2	0	30	23	10345	42	111	31	4	32	22	55	24	0	7	19	117	4	0	8	104
42	28	0	80	8	0	6	11	0	4	4	2	111	7	0	2	0	21	30	35	5696	106	5	8	18	19	27	14	0	13	32	132	4	0	10	88
5	10	0	16	8	0	0	7	0	0	0	10	23	0	0	2	0	29	6	1	6	7367	0	9	17	2	8	0	0	11	19	42	0	0	1	154
57	37	0	19	1	51	11	4	0	11	48	0	36	58	0	16	0	2	16	41	22	61	7863	2	11	60	5	65	0	0	13	111	27	0	22	27
3	1	0	4	4	0	0	1	0	1	30	0	4	0	0	3	0	8	1	0	2	8	0	4142	2	1	906	4	0	4	6	3	0	0	0	3
6	0	0	7	1	0	0	1	0	0	1	0	7	0	0	0	0	0	0	0	0	4	0	0	4832	1	5	0	0	0	7	5	0	0	0	24
68	76	0	47	24	2	18	8	0	3	5	7	101	4	0	8	0	11	36	54	60	103	18	1	19	3755	34	25	0	4	35	212	2	0	6	53
0	0	0	0	0	0	1	1	0	0	13	0	19	0	0	0	0	4	0	0	2	5	1	79	1	0	5305	0	0	0	4	8	0	0	0	8
4	121	0	37	11	0	35	3	0	3	35	0	44	29	0	48	0	12	0	53	31	69	19	8	49	19	23	10937	0	4	88	89	9	0	7	26
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	136	1	0	0	0	3	0
0	0	0	3	0	0	0	0	0	0	0	1	4	0	0	0	0	4	1	1	0	3	0	0	0	0	1	0	0	544	1	5	0	0	8	3
38	54	0	35	7	0	0	24	0	12	7	1	186	3	0	0	0	13	7	2	59	115	11	6	19	21	111	5	0	2	7424	287	0	0	5	103
35	18	0	35	7	0	1	18	0	2	2	0	101	0	0	3	0	15	10	26	26	115	8	2	17	16	14	1	0	8	24	8312	1	0	2	125
9	3	0	5	0	0	1	0	0	0	1	0	11	2	0	3	0	0	3	8	7	8	0	0	4	0	5	13	0	0	4	15	2342	0	1	4
2	0	0	1	0	0	0	1	0	0	11	0	6	1465	0	0	0	0	0	7	1	1	5	1	2	2	0	2	0	0	0	2	0	272	0	0
0	8	0	14	1	3	1	2	0	0	0	1	8	0	0	9	0	4	30	19	13	20	4	2	7	6	3	14	0	41	12	39	0	0	1044	2
5	57	0	3	0	0	0	0	0	0	2	1	22	0	0	0	0	2	0	1	12	45	0	0	1	0	17	0	0	0	1	6	0	0	0	7140

0.8177882134914398

Kernel: (16, 2), Nadam, logcosh

8062	3	0	10	3	0	13	2	0	0	316	25	37	0	5	5	0	5	276	3	14	29	3	13	2	3	5	0	0	0	23	14	0	0	0	62
10	2902	0	20	13	1	12	14	2	2	1	16	22	0	1	23	0	12	60	28	12	1342	0	7	8	9	1	13	4	0	33	67	1	0	1	1406
0	0	419	0	0	0	0	0	0	0	1	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	4	0	6122	5	0	31	1	1	0	3	1	43	1	1	0	0	2	3	7	15	17	0	1	3	0	25	3	1	0	7	14	0	0	0	46
27	10	0	18	5242	0	13	1	1	0	5	0	26	0	3	0	0	3	6	20	7	58	1	0	4	11	6	12	0	0	11	12	0	0	6	26
7	14	0	14	8	3384	34	2	4	1	0	7	6	3	5	54	0	5	58	19	9	36	187	5	6	7	4	84	7	0	37	25	28	0	7	3
12	3	0	18	2	0	1828	0	1	0	0	0	18	0	3	0	0	1	3	8	8	5	3	0	2	1	4	4	0	0	5	4	0	0	0	12
9	0	0	3	0	0	19	2013	1	0	0	0	2	0	0	0	0	0	1	1	6	4	0	0	0	0	1	0	0	0	1	2	0	0	0	22
8	2	0	23	1	0	30	3	819	1	0	0	15	0	8	0	0	0	7	2	18	11	1	0	2	1	3	2	1	0	4	7	4	0	3	11
4	0	0	1	2	0	8	1	37	230	0	1	1	0	0	0	0	1	0	2	2	1	1	0	1	0	2	0	0	0	2	4	0	0	0	2
1893	0	0	0	0	2	0	0	0	0	2262	7	5	3	1	0	0	0	12	0	0	3	0	7	0	0	1	0	0	0	0	0	0	0	0	5
585	2	0	13	2	0	2	3	0	0	2	5599	3	0	1	11	0	12	1292	3	1	15	0	16	5	0	0	0	0	0	4	6	2	0	0	6
21	1	0	4	4	0	0	2	0	0	7	0	6874	0	3	0	0	2	3	27	10	8	0	3	2	0	25	0	0	0	29	21	0	0	0	33
44	31	0	16	0	26	11	6	1	0	10	2	16	3584	0	10	0	2	26	124	16	10	0	2	0	5	2	49	0	0	6	30	7	3	3	6
2	1	0	2	0	0	1	0	9	0	0	0	4	0	1438	0	0	3	1	5	3	1	0	0	1	0	6	0	0	0	6	1	0	0	0	9
16	5	0	14	13	0	26	1	2	0	0	22	1	0	12	13255	0	21	22	19	5	26	0	25	5	4	1	790	4	0	24	12	0	0	0	0
4	0	0	1	0	0	0	2	0	0	0	0	514	0	1	0	0	1	0	6	0	0	0	1	1	0	3	0	0	0	4	2	0	0	0	4
16	18	2	53	7	0	27	7	0	0	5	0	3	4	3	1	0	7017	1	85	12	32	0	0	6	1	22	17	0	0	4	44	0	0	0	96
3794	36	0	108	16	0	78	18	3	1	14	459	108	7	28	39	0	31	8844	88	47	128	6	44	33	16	40	1	7	0	95	96	4	0	3	113
56	73	0	48	10	0	20	10	7	3	4	3	318	11	44	3	0	20	32	10802	45	51	8	5	14	2	42	20	7	0	51	84	8	0	0	86
36	8	0	64	7	0	39	8	2	1	4	2	95	3	8	3	0	9	53	32	5862	50	2	9	6	7	23	14	5	0	40	61	3	0	6	101
4	86	0	17	10	0	9	12	1	2	1	13	17	0	2	5	0	26	6	3	9	7231	0	13	10	2	10	0	5	0	28	42	0	0	1	188
69	87	2	124	14	59	310	4	59	0	33	2	25	67	15	16	0	1	102	328	30	51	6454	3	2	81	4	407	3	0	54	145	54	1	55	36
5	0	0	1	1	0	0	1	0	0	6	4	1	0	0	2	0	7	3	2	0	4	0	4244	1	0	847	5	0	0	2	3	0	0	0	2
16	1	0	58	5	0	23	4	7	0	0	0	19	4	1	0	0	0	5	7	5	16	1	0	4670	0	7	2	0	0	12	11	2	0	0	25
64	94	0	59	22	2	113	8	14	2	2	5	82	9	7	11	0	9	87	112	70	66	15	6	9	3549	29	50	3	0	70	156	2	1	4	67
0	0	0	0	0	0	3	0	0	0	0	0	11	0	0	0	0	0	0	1	1	4	0	63	1	0	5348	0	0	0	2	6	0	0	0	11
34	45	0	44	13	0	76	2	2	0	15	0	30	15	10	21	0	8	14	60	26	16	8	9	6	6	17	11201	3	0	54	39	11	0	1	27
0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	118	0	2	1	0	0	17	0
0	3	0	3	0	0	0	1	0	0	0	1	2	0	0	0	0	3	6	2	1	3	0	0	0	0	2	1	418	0	2	7	0	0	122	2
29	7	0	11	5	0	7	17	7	1	2	1	56	2	9	1	0	5	10	3	36	30	0	7	3	1	53	3	0	0	8082	63	1	1	0	104
30	29	0	45	10	0	47	18	7	0	3	1	95	3	2	0	0	3	33	24	32	82	8	3	15	8	16	9	7	0	62	8185	4	0	2	161
9	1	0	4	2	0	6	0	0	0	0	0	7	1	0	2	0	0	3	4	5	2	0	1	4	0	6	11	0	0	4	7	2368	0	0	2
0	0	4	2	0	0	0	1	0	0	11	0	0	1184	0	0	0	0	0	10	2	0	1	0	0	1	0	0	0	0	0	1	0	563	0	1
0	12	0	28	4	0	14	0	0	0	0	2	5	0	3	9	0	4	45	26	16	13	0	2	2	2	2	19	2	0	14	26	0	0	1055	2
2	61	0	2	0	0	0	0	0	0	4	1	19	0	0	0	0	1	0	0	11	12	0	0	0	0	12	0	0	0	1	1	0	0	0	7188

0.8517001867294312

ARat_2017_05_19__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

5339	18	37	1	8	32	5	2	3	0	12	17	19	0	0	10	2	0	0	0	24	3	6	0	1	0	5	6	14	6	25	15	91	8	7	8
37	13938	20	0	22	28	9	1	11	3	18	9	32	0	0	0	8	1	0	0	58	5	18	0	0	0	3	8	25	13	31	13	103	17	20	3
22	46	5455	7	7	43	16	0	4	0	24	12	33	0	2	20	17	0	1	0	49	4	13	2	2	0	7	25	10	12	37	5	164	26	10	30
20	20	38	2020	8	40	3	2	16	0	32	15	20	0	2	6	13	0	0	0	23	4	2	6	2	0	2	4	8	12	24	8	101	17	11	2
15	26	13	1	5725	21	11	2	13	0	6	239	29	0	0	7	5	0	0	0	37	8	3	1	1	0	3	16	24	7	15	5	43	21	7	3
17	40	21	23	3	7575	15	0	2	0	11	7	28	0	0	3	9	0	0	0	25	2	11	1	2	0	0	8	12	7	21	17	100	9	6	6
30	85	51	10	14	56	11587	1	13	0	16	13	60	0	1	23	7	0	2	0	56	0	18	0	7	0	2	15	38	24	49	12	176	40	36	10
3	2	3	1	1	5	4	1140	0	0	0	1	5	0	6	0	3	1	0	0	4	1	2	0	0	0	0	0	0	1	1	2	19	1	2	1
16	52	11	1	4	20	6	0	5445	0	2	7	43	0	0	1	3	0	0	0	28	5	1	0	1	0	1	7	8	8	9	35	46	1	11	2
19	4178	13	4	16	21	25	2	14	1368	48	20	5	0	5	1	19	10	0	0	4	10	10	0	4	0	0	15	9	6	35	19	27	11	25	1
81	127	186	16	18	88	81	14	17	1	8387	38	59	0	6	34	69	5	0	0	83	15	33	3	17	0	20	39	47	57	220	35	483	64	37	21
12	8	3	0	73	5	4	0	1	0	4	1192	5	0	0	2	7	0	2	0	8	4	4	0	1	0	0	0	9	2	5	4	15	2	0	5
2	7	2	1	0	2	1	0	2	0	3	0	2839	0	0	4	0	0	0	0	11	0	3	0	1	0	0	0	5	1	3	3	12	22	1	0
22	5	23	3	17	3	3	0	7	0	21	0	5	0	0	47	8	0	23	0	0	97	0	28	31	0	45	71	3	5	67	0	15	33	1	0
10	2	3	0	0	7	2	0	5	2	21	0	1	0	2301	0	4	1	0	0	0	1	0	0	3	0	0	2	2	2	127	3	8	2	3	0
4	14	10	3	2	5	7	1	3	0	6	5	79	0	0	829	5	0	0	0	4	6	0	0	2	0	2	2	8	3	3	0	24	30	8	0
29	105	65	9	29	50	58	0	23	0	60	37	47	0	6	38	7641	1	1	0	277	4	18	1	29	0	16	52	55	12	44	49	139	29	35	4
4	2	0	0	0	2	3	0	0	0	2	1	0	0	2	0	0	326	0	0	0	0	432	0	0	0	0	0	0	2	5	4	1	1	1	0
7	3	16	9	7	26	14	4	0	17	564	26	1	0	34	3	21	13	1474	0	0	1	1	0	2	0	0	2	4	3	16	1	1	23	3	2
1	4	0	0	1	3	0	0	10	0	3	6	1	0	0	82	2	0	0	0	0	0	2	29	0	0	53	59	2	0	0	1	5	15	0	0
4	8	6	0	4	9	4	0	2	0	1	5	11	0	0	0	23	0	1	0	5775	1	4	0	0	0	0	1	3	2	1	513	14	0	7	4
6	24	10	2	4	8	4	1	1	1	9	6	0	0	0	3	7	0	0	0	8	850	6	0	5	0	3	6	3	6	5	0	24	8	3	0
1	2	1	0	0	6	0	0	1	0	0	1	5	0	0	0	0	5	0	0	2	0	2371	0	0	0	0	0	0	0	1	2	2	0	1	0
1	4	9	0	1	1	1	0	2	0	8	0	2	0	0	0	2	0	0	0	4	0	4	257	0	0	0	0	2	0	4	0	9	7	0	1
28	17	24	2	6	9	14	1	7	4	13	9	26	0	1	16	32	5	0	0	1	2	7	2	3263	0	4	14	11	6	37	3	76	13	3	2
0	2	2	0	0	0	3	0	1	0	1	0	341	0	0	40	0	0	0	0	1	1	0	0	1	0	0	1	0	1	1	2	0	3	0	0
3	5	2	0	0	4	0	1	1	0	7	0	4	0	0	3	1	0	0	0	9	2	0	0	0	0	623	25	5	4	11	0	44	3	0	2
11	59	54	5	18	16	22	2	23	2	33	41	27	0	2	24	68	1	1	0	29	3	4	1	2	0	10	4509	23	3	20	4	32	15	9	0
12	27	23	2	17	22	6	3	6	0	6	5	7	0	0	6	2	2	0	0	37	9	9	0	6	0	0	4	7874	7	10	4	59	3	5	2
5	12	6	1	0	14	0	4	3	0	1	0	10	0	0	3	1	0	0	0	11	1	6	0	0	0	0	1	1	2466	7	4	35	3	1	2
22	19	32	0	6	44	7	5	2	0	17	8	29	0	12	2	5	0	0	0	31	1	8	0	0	0	6	9	13	20	8287	21	212	13	5	11
0	3	0	0	0	7	2	0	0	0	0	0	7	0	0	0	26	0	0	0	553	0	0	0	0	0	1	0	0	0	0	2907	2	0	4	1
25	36	50	1	5	41	3	3	11	0	13	3	32	0	0	5	1	2	0	0	45	0	18	0	0	0	11	8	13	12	38	12	14923	3	6	11
31	39	212	12	6	28	27	5	13	0	45	20	60	0	1	71	37	0	0	0	21	7	12	1	11	0	2	15	13	15	57	12	144	2397	11	4
31	58	35	3	16	32	12	2	6	0	33	9	39	0	0	7	37	1	0	0	31	1	9	0	4	0	6	11	20	11	26	55	119	21	9202	10
0	1	6	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	7	0	0	990

0.8779642621133706

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

5387	21	26	2	6	26	14	2	1	0	7	11	18	0	0	9	1	0	0	3	28	3	4	1	0	0	5	9	14	6	27	4	55	15	12	7
34	14002	11	0	23	21	11	1	9	3	5	8	36	2	0	0	5	0	0	3	50	3	14	0	0	0	6	8	23	11	30	7	64	32	29	3
28	70	5198	7	12	43	41	1	4	1	19	10	38	1	2	36	23	0	2	6	48	3	13	7	2	0	16	45	24	16	75	0	188	67	32	27
25	30	32	1988	8	27	13	2	16	0	17	4	20	0	1	12	11	0	0	0	24	2	1	6	2	0	8	4	10	12	33	6	79	69	17	2
15	26	7	0	5762	20	16	1	13	0	3	195	30	0	0	13	6	0	0	2	37	5	2	1	1	0	4	17	28	6	17	2	35	33	8	2
29	54	22	61	3	7409	41	0	5	0	4	3	35	3	0	6	14	0	1	4	33	1	9	4	4	0	1	19	21	9	32	11	92	27	19	5
23	69	21	6	5	37	11837	1	12	0	3	4	49	1	0	24	1	0	5	2	42	0	10	0	0	0	5	8	31	19	45	5	93	48	37	9
4	4	2	0	1	4	4	1145	0	0	0	1	4	0	4	2	1	0	0	2	5	1	2	0	0	0	1	0	1	1	2	1	11	3	2	1
18	56	7	3	3	13	9	0	5419	0	0	8	66	0	0	3	1	0	0	1	35	2	1	0	0	0	2	8	16	4	12	25	32	13	15	2
18	4023	7	6	16	16	34	2	13	1571	25	17	4	0	2	2	14	3	0	1	7	3	8	0	1	0	3	17	10	5	32	15	13	27	28	1
93	245	168	23	22	92	160	21	18	1	7521	34	59	6	5	83	97	2	11	7	91	11	32	14	12	0	42	123	62	74	375	15	453	302	107	20
15	14	3	0	74	6	5	0	1	0	1	1164	6	0	0	5	8	0	1	1	9	0	4	0	1	0	3	3	10	2	7	4	15	9	1	5
2	3	0	1	0	2	3	0	1	0	0	0	2856	1	0	6	0	0	0	5	6	0	1	0	0	0	0	0	4	1	3	1	4	24	1	0
2	0	1	0	3	1	2	0	0	0	0	0	0	556	0	0	2	0	0	0	0	0	1	0	0	0	0	1	3	1	1	0	0	3	6	0	0
13	3	2	2	1	7	4	2	6	5	18	0	0	0	2151	1	4	1	0	0	0	0	0	0	2	0	0	6	2	2	261	3	5	8	3	0
4	15	7	3	1	4	9	0	2	0	2	4	41	1	0	854	4	0	0	3	4	4	0	0	1	0	2	2	9	1	6	0	21	53	8	0
35	128	36	10	32	45	76	2	19	1	25	28	46	3	6	64	7645	0	2	3	211	3	17	5	15	0	21	59	64	13	69	28	117	76	55	4
4	2	0	0	0	2	7	0	2	0	4	1	0	0	2	0	1	265	0	0	2	0	477	0	0	0	0	1	0	3	8	3	1	1	2	0
6	3	2	8	7	20	17	4	0	15	98	2	1	0	29	3	13	3	2002	0	0	0	0	0	2	0	0	4	2	2	17	1	1	31	3	2
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	273	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0
7	10	5	0	4	8	12	0	1	0	2	5	24	0	0	1	32	0	1	1	6131	0	2	0	0	0	0	1	8	2	4	102	15	3	18	4
10	25	5	2	7	8	6	4	1	1	5	6	0	0	0	4	6	0	0	0	8	817	7	1	4	0	5	15	5	7	5	0	19	24	6	0
1	2	1	0	0	6	2	0	1	0	0	3	8	0	0	1	0	3	1	1	3	0	2359	0	0	0	0	0	0	0	1	2	2	3	1	0
2	5	2	1	1	0	2	0	2	0	5	0	2	0	0	4	1	0	0	0	4	0	1	264	0	0	3	3	2	0	4	0	4	7	0	0
66	20	16	5	10	11	32	1	12	7	13	16	21	8	1	31	41	2	1	7	1	4	6	2	3004	0	5	26	15	6	89	1	67	93	16	2
0	0	1	0	0	0	4	0	1	0	1	0	322	0	0	49	1	0	0	12	1	1	0	0	0	0	0	1	0	0	1	2	0	4	0	0
2	5	1	0	0	3	0	1	0	0	0	0	5	0	0	4	0	0	0	1	6	0	0	0	0	0	674	10	6	3	9	0	24	3	0	2
8	63	21	5	12	13	45	2	19	2	13	14	22	1	0	36	52	0	2	5	30	2	3	4	2	0	17	4518	41	1	57	3	24	27	9	0
15	29	13	1	11	14	10	3	5	0	1	3	8	1	0	4	2	0	0	2	23	5	10	0	3	0	0	1	7946	4	8	1	31	13	6	2
6	15	6	1	0	13	3	5	6	1	0	0	9	0	0	2	2	0	0	6	13	0	7	0	0	0	1	4	5	2450	12	0	23	4	3	1
23	23	15	0	6	33	12	9	2	0	4	3	26	2	4	4	3	0	2	2	31	0	6	0	0	0	7	10	16	12	8411	7	131	20	15	8
2	7	1	0	0	6	2	0	0	0	0	0	8	0	0	0	35	0	0	0	1672	0	0	1	0	0	1	1	3	0	0	1761	2	1	9	1
44	68	32	1	9	42	18	6	12	0	9	2	39	1	0	8	2	1	1	6	55	1	19	0	0	0	27	17	31	17	74	2	14721	32	24	10
28	34	105	8	4	22	33	4	5	0	12	11	43	1	0	63	16	0	0	4	22	6	8	1	7	0	3	15	14	11	51	8	76	2701	11	2
21	42	6	2	14	18	10	1	5	0	5	3	25	2	0	6	10	0	0	4	31	0	3	0	2	0	6	8	23	4	15	29	47	31	9470	4
0	2	4	0	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	1	3	0	1	0	0	0	0	0	1	0	0	0	9	0	1	987

0.8776392536789271

Kernel: (4, 2), Adamax, cosine_proximity

5156	32	70	8	9	30	10	3	7	0	32	16	29	0	0	15	4	0	0	2	37	5	6	3	5	6	9	16	25	5	45	3	80	23	26	7
22	13816	25	1	25	25	7	1	19	29	48	6	35	7	0	0	10	0	1	2	69	5	13	1	0	13	8	14	33	11	34	3	72	46	48	5
13	36	5529	8	3	28	10	0	6	0	42	4	30	2	0	23	18	0	1	3	45	2	6	8	1	7	17	27	17	4	40	0	97	39	15	24
14	21	30	2135	3	15	1	0	12	0	47	3	19	1	0	2	13	0	0	0	23	2	1	7	3	4	7	5	9	6	13	3	38	23	19	2
13	25	22	3	5642	20	8	2	18	0	22	225	31	2	0	15	19	0	0	0	38	10	2	10	0	6	12	21	33	6	18	2	31	40	8	3
18	51	36	167	1	7331	10	0	5	0	44	3	29	2	0	0	10	0	1	1	34	1	9	8	5	10	5	15	19	4	26	4	75	32	20	5
27	100	79	20	22	57	11258	5	21	0	108	11	52	5	1	28	25	0	5	1	66	5	14	2	34	14	9	30	50	19	66	2	134	102	71	9
2	3	6	1	1	4	4	1131	0	0	1	0	4	0	4	3	5	0	0	0	6	2	2	0	0	3	2	0	1	0	2	0	13	5	3	1
7	24	9	5	3	13	3	0	5501	0	10	0	41	2	0	0	1	0	0	1	49	1	1	0	4	0	2	7	17	4	10	11	25	9	12	2
13	3049	13	11	11	17	20	3	18	2428	112	15	6	0	4	1	25	2	0	0	8	8	6	1	4	2	4	23	10	5	31	15	12	33	33	1
41	86	155	19	9	63	40	11	16	1	9000	12	40	6	1	29	46	0	3	2	81	9	16	8	15	9	34	26	43	22	184	9	224	70	52	19
12	12	8	3	79	6	2	1	3	1	9	1123	5	0	0	5	11	0	1	1	19	2	4	3	3	0	5	5	14	1	7	2	12	11	2	5
0	3	1	1	0	2	1	0	3	0	4	0	2846	1	0	12	0	0	0	2	5	0	1	0	1	0	0	2	4	1	4	1	4	25	1	0
2	0	0	1	1	1	0	0	0	0	1	0	0	563	0	0	1	0	0	0	0	0	2	0	0	0	0	1	2	1	1	0	0	2	4	0	0
10	3	3	10	1	13	1	2	7	3	70	0	0	0	1740	0	16	1	2	0	0	1	0	0	5	1	0	6	3	1	579	3	8	17	6	0
2	12	12	6	1	4	4	0	3	0	11	1	44	1	0	855	5	0	0	0	4	5	0	0	2	1	3	4	8	0	4	0	16	49	8	0
20	99	68	15	24	41	36	0	21	3	117	13	39	5	2	49	7749	0	1	2	161	5	11	14	39	9	28	60	64	5	46	24	86	58	45	4
3	2	0	1	0	2	5	0	2	1	14	1	1	0	2	0	3	168	0	0	2	2	551	1	0	0	0	3	0	7	8	3	0	4	2	0
4	1	6	9	1	15	2	2	0	9	319	0	0	0	20	1	6	2	1868	0	1	0	0	0	2	1	0	0	2	1	12	1	0	10	2	1
0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	272	0	0	0	0	0	0	0	1	0	0	0	1	2	1	0	0
1	8	7	0	5	12	2	0	3	0	4	4	26	0	0	0	60	0	1	0	6154	0	2	0	0	4	0	1	12	2	2	62	6	2	19	4
6	19	8	2	1	7	1	1	1	1	19	3	0	0	0	1	8	0	0	0	7	862	4	2	3	0	4	9	3	3	3	0	14	17	4	0
1	5	2	0	1	6	2	0	1	0	5	2	7	0	0	2	0	2	1	1	5	0	2332	0	1	0	0	3	2	0	3	1	10	4	1	1
0	4	3	0	1	0	1	0	1	0	8	0	1	0	0	0	0	0	0	0	2	0	0	288	0	1	2	1	0	0	2	0	2	2	0	0
13	10	25	6	5	9	6	0	7	6	24	3	17	24	0	12	31	1	0	0	0	3	1	2	3302	12	3	16	11	1	25	0	37	39	4	3
0	2	1	0	0	0	2	0	2	0	1	0	261	0	0	35	0	0	0	1	1	0	0	0	2	87	0	0	0	0	1	2	0	3	0	0
1	4	1	0	0	3	0	1	0	0	5	0	5	0	0	1	0	0	0	1	6	0	0	1	0	1	687	11	4	2	8	0	11	3	1	2
5	44	56	7	12	14	10	2	22	3	52	13	23	2	0	26	52	0	0	1	24	2	3	3	5	7	22	4550	33	0	30	3	19	20	8	0
5	23	17	3	8	20	4	2	10	1	12	2	7	3	0	9	8	0	0	0	25	7	6	2	4	7	4	7	7918	6	11	1	24	11	6	2
3	13	12	1	0	14	1	5	8	1	28	0	11	0	0	2	3	0	0	0	14	0	7	0	1	7	4	5	6	2398	16	0	27	6	3	2
12	20	39	5	6	37	3	5	3	0	39	2	23	3	2	3	9	0	2	1	41	2	5	0	0	5	20	14	13	11	8358	2	114	22	18	8
1	3	1	0	0	8	2	0	0	0	1	0	9	0	0	0	69	0	0	0	2284	0	0	0	0	3	3	0	1	0	0	1115	0	0	12	1
32	59	83	7	6	52	5	5	14	0	68	3	38	1	0	15	10	0	1	6	78	3	12	1	2	8	55	14	48	14	81	1	14512	50	33	14
20	21	122	20	3	20	15	3	11	2	76	9	46	3	0	53	30	0	0	1	22	2	4	2	15	3	7	17	15	10	47	6	61	2648	12	3
10	30	18	3	12	19	1	0	9	0	31	1	25	3	0	10	25	0	0	2	35	1	3	0	3	21	6	13	19	5	15	22	37	34	9427	7
0	0	6	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	1	0	0	2	0	0	0	0	0	0	6	0	0	993

0.8806746386245746

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

5250	7	39	2	16	42	8	4	5	0	10	8	15	0	0	9	2	0	0	1	29	6	3	0	4	4	10	14	21	5	22	2	134	20	26	6
45	13464	37	8	45	39	23	2	26	54	36	10	38	9	0	5	16	1	1	3	65	15	15	2	0	9	18	31	39	12	35	1	169	80	96	5
16	23	5439	6	9	50	14	0	4	0	15	3	27	1	1	16	13	0	2	2	38	9	6	5	3	5	20	25	16	9	32	0	210	42	23	21
15	12	31	2054	10	47	3	2	14	0	12	4	14	0	0	6	13	0	0	0	20	5	1	5	6	3	8	4	10	6	13	5	108	26	22	2
12	7	9	1	5913	19	11	1	9	0	3	97	19	1	0	12	6	0	0	0	33	10	2	4	0	2	6	16	20	4	11	2	38	26	10	3
9	24	22	61	7	7530	9	0	4	0	6	1	26	4	0	4	12	0	0	0	21	1	6	3	9	8	2	16	18	5	13	5	104	22	24	5
28	47	57	14	14	62	11525	4	18	0	12	4	43	4	0	24	6	0	5	1	45	5	7	0	17	13	7	22	33	18	41	2	207	94	63	10
1	1	3	0	1	5	4	1154	0	0	0	0	4	0	3	0	1	0	0	0	3	1	1	0	0	2	0	0	0	0	0	1	14	4	5	1
9	9	9	3	6	16	3	0	5480	0	0	7	39	3	0	1	6	0	0	1	39	5	1	0	3	0	3	8	17	4	8	16	41	13	23	1
18	1962	23	13	26	29	37	3	20	3372	57	19	4	0	2	0	22	4	1	0	7	51	7	1	5	2	8	30	11	5	28	15	46	47	68	1
76	66	230	30	28	128	83	24	17	4	7676	28	38	8	3	56	98	0	13	2	84	81	21	9	28	6	79	103	53	31	213	9	761	197	102	16
13	4	7	0	124	6	2	1	2	0	1	1119	3	0	0	4	9	0	2	1	12	7	2	1	3	0	3	2	8	1	6	2	20	5	2	5
3	0	3	1	1	2	3	1	2	0	2	0	2820	1	0	13	0	0	0	2	5	0	1	0	0	0	0	2	7	1	5	1	17	31	1	0
1	0	0	0	1	0	0	0	0	0	0	0	0	568	0	0	2	0	0	0	0	1	0	0	0	0	1	2	1	1	0	0	3	2	0	0
12	0	3	6	1	13	4	4	6	5	31	0	0	0	2102	1	9	1	0	0	0	1	0	0	5	0	0	9	4	1	255	3	21	7	8	0
4	10	12	7	2	5	6	1	3	0	4	4	23	1	0	840	8	0	1	0	3	8	0	0	4	1	3	4	7	1	3	0	25	64	11	0
22	68	57	14	32	53	58	1	19	8	32	23	31	3	4	43	7836	0	3	2	83	11	11	2	52	5	30	44	51	7	36	26	181	49	63	3
4	2	0	1	0	3	6	0	2	0	5	3	1	0	2	0	2	358	0	0	2	2	370	1	0	0	0	2	0	3	8	3	2	3	3	0
5	1	11	11	8	28	7	4	0	12	81	3	0	0	27	3	10	1	2047	0	0	4	0	0	2	0	0	3	2	1	6	1	2	13	3	2
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	272	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0
5	8	8	0	9	16	9	0	2	0	4	2	24	0	0	0	98	0	1	0	6046	0	2	0	0	4	1	2	14	2	1	57	40	3	42	3
5	9	6	1	3	7	3	3	1	0	2	1	0	0	0	0	4	0	0	0	4	905	3	1	3	0	3	5	3	3	3	0	20	11	4	0
3	2	2	0	3	9	4	0	1	0	2	4	8	0	0	1	0	3	2	1	5	2	2320	0	1	0	0	1	2	0	3	0	15	6	1	0
0	4	4	1	1	0	1	0	1	0	2	0	1	0	0	0	0	0	0	0	2	0	1	279	0	1	4	1	0	0	4	0	9	3	0	0
13	9	18	1	8	11	7	1	5	5	5	4	12	4	0	6	20	2	0	0	0	7	1	0	3361	10	3	14	11	1	15	1	70	21	9	3
0	0	1	0	1	0	4	0	2	0	1	0	242	0	0	49	0	0	0	0	1	1	0	0	2	88	0	1	0	0	1	2	0	4	0	1
1	4	3	0	0	3	0	1	0	0	0	0	4	0	0	1	0	0	0	2	6	1	0	0	0	0	682	9	3	2	4	0	28	3	0	2
4	37	93	6	19	19	18	3	15	3	13	18	18	1	0	21	74	0	4	0	25	8	3	2	5	1	36	4516	27	0	10	3	31	27	13	0
7	13	17	2	17	20	8	4	4	0	1	0	4	3	0	5	5	0	1	0	19	12	6	0	6	2	8	3	7914	3	6	2	52	17	13	1
6	13	8	1	0	18	2	6	6	0	3	0	9	0	0	1	4	0	0	0	12	2	6	0	1	8	4	6	7	2391	12	0	58	6	6	2
24	16	43	0	14	52	11	12	3	0	14	1	18	3	5	9	14	0	2	1	36	7	4	0	3	1	25	18	20	14	8178	3	237	25	25	9
2	4	0	0	0	8	2	0	0	0	0	0	8	0	0	0	78	0	0	0	2039	0	0	0	1	2	3	0	3	0	0	1332	9	1	20	1
13	15	34	1	11	41	2	3	12	0	7	1	26	1	0	4	1	1	2	4	25	1	10	0	0	4	25	8	17	1	30	1	14977	22	22	9
18	10	184	10	11	29	21	5	6	0	17	11	22	4	0	42	31	0	1	1	20	11	4	1	12	3	8	20	15	6	33	4	136	2613	16	4
13	9	9	2	11	20	2	1	2	0	5	3	11	2	0	6	7	0	0	2	19	4	2	0	3	6	5	7	10	4	8	13	77	20	9561	3
0	0	5	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	1	0	0	0	12	0	2	986

0.8877900393154117

Kernel: (16, 2), RMSprop, categorical_crossentropy

5318	27	56	2	13	20	4	2	1	0	10	8	11	0	0	8	25	0	0	2	14	6	8	2	2	0	4	7	18	5	30	3	95	9	8	6
24	14092	38	0	16	14	2	1	6	2	7	3	15	2	0	3	27	0	0	0	19	4	16	0	0	1	4	8	17	8	22	0	72	15	13	3
13	29	5744	1	4	10	5	0	0	0	8	1	15	1	0	4	48	0	0	1	21	1	7	2	1	0	4	15	7	8	31	0	87	14	5	18
23	28	91	1973	12	13	7	0	9	0	21	5	10	1	1	7	68	0	0	0	16	3	4	6	3	0	3	6	10	9	26	4	87	19	14	2
11	41	28	1	5870	18	7	1	4	0	2	70	18	1	0	13	63	0	0	0	27	10	3	2	0	0	1	15	19	5	14	2	33	18	8	2
37	74	117	139	8	6942	22	0	2	0	11	6	25	3	0	3	167	0	0	0	38	0	15	0	13	3	0	36	29	13	62	7	161	21	20	7
38	152	153	15	23	38	11302	0	8	0	15	12	41	4	1	20	100	0	0	1	53	1	21	1	22	1	2	22	45	21	63	4	166	49	48	10
5	3	13	1	1	5	4	1125	0	0	0	1	3	0	4	0	9	0	0	0	2	1	2	0	1	0	0	0	0	1	3	1	17	3	3	1
21	71	50	6	6	11	9	0	5311	0	3	6	37	2	0	1	49	0	0	1	32	3	5	0	3	0	0	14	21	5	17	9	54	6	20	1
13	4558	29	3	13	7	9	0	5	1103	25	11	1	0	3	0	36	2	0	0	4	5	8	0	6	1	0	8	10	3	29	12	15	7	18	0
83	183	805	27	23	69	75	15	13	1	7013	22	38	9	4	64	671	1	0	2	84	17	45	17	32	1	23	57	60	36	285	8	477	77	51	13
13	21	25	0	126	4	3	0	1	0	2	1062	3	0	0	4	39	0	1	1	11	3	6	0	3	0	1	1	13	1	9	2	17	1	0	4
3	9	9	1	0	2	2	0	1	0	2	0	2804	1	0	11	2	1	0	0	9	0	3	0	1	0	0	1	7	0	5	1	27	21	2	0
0	2	2	1	1	1	0	0	0	0	0	0	0	560	0	0	3	0	0	0	0	2	0	0	0	0	1	6	1	1	0	0	2	0	0	0
9	3	10	3	1	2	3	0	4	4	18	0	0	0	1970	0	30	1	0	0	0	1	0	0	4	0	0	5	2	1	421	2	11	4	3	0
4	23	70	4	2	4	7	0	3	0	3	1	26	1	0	714	87	0	0	0	6	5	0	0	6	0	1	11	9	1	6	0	28	35	8	0
18	80	69	7	13	18	23	0	6	0	9	5	22	1	0	16	8327	0	0	1	78	4	13	2	14	1	11	25	29	4	26	17	81	11	29	3
3	2	0	0	0	0	3	0	0	1	3	1	0	0	2	0	4	123	0	0	0	0	635	0	0	0	0	0	0	1	6	2	0	1	1	0
7	15	176	20	12	19	11	4	0	35	510	13	0	1	29	12	414	6	886	0	0	3	4	0	2	0	0	15	4	3	31	1	2	55	6	2
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	14	0	0	0	256	1	0	0	0	0	0	0	5	0	0	0	0	2	0	0	0
8	33	20	1	9	8	6	0	3	0	2	7	17	0	0	4	627	0	0	0	5506	0	8	1	0	1	1	5	12	3	10	53	36	1	18	3
7	29	21	1	2	7	3	1	1	0	5	1	0	0	0	1	20	0	0	0	5	851	6	1	6	0	2	8	5	3	5	0	14	5	3	0
1	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2389	0	0	0	0	0	0	0	1	0	1	0	1	0
1	4	6	1	1	0	1	0	0	0	1	0	1	0	0	0	2	0	0	0	2	0	1	289	0	1	0	1	0	0	2	0	4	1	0	0
13	15	33	1	6	5	5	0	3	4	0	1	9	6	0	2	155	1	0	0	0	2	5	1	3297	1	2	9	8	1	20	0	37	11	4	1
0	4	5	1	1	0	4	0	3	0	0	0	240	0	0	58	6	0	0	0	1	1	0	1	3	62	0	1	0	1	3	2	0	3	1	0
3	8	18	0	2	3	4	1	0	0	5	0	4	0	0	2	6	0	0	0	11	0	0	1	0	0	554	60	6	3	17	0	47	1	1	2
7	83	228	6	14	13	12	2	12	0	13	8	11	1	0	13	227	0	0	0	23	5	4	1	2	0	8	4284	26	1	22	3	24	11	9	0
9	37	29	2	17	13	6	3	2	0	2	1	4	2	0	2	35	1	0	0	20	3	10	0	7	1	1	8	7893	4	11	1	39	6	4	2
8	14	16	2	0	9	0	3	2	1	1	0	7	0	0	3	17	0	0	0	8	1	10	0	1	0	2	4	5	2432	12	0	34	2	2	2
15	29	59	0	7	20	5	4	2	0	6	1	11	3	3	3	36	0	0	0	16	1	8	0	0	0	7	8	13	12	8420	1	136	11	2	8
6	24	10	1	0	9	2	0	2	1	3	1	5	0	0	2	503	0	0	0	1495	0	0	0	0	2	1	5	8	1	3	1408	7	1	11	2
26	68	92	1	8	27	4	4	7	0	10	2	19	1	0	2	32	0	0	2	21	1	20	1	1	0	7	15	23	12	76	0	14825	10	7	7
36	56	426	11	12	20	21	3	7	0	14	8	31	5	0	40	200	0	0	1	21	8	15	5	12	1	2	26	13	11	63	6	124	2112	13	6
24	68	66	3	14	20	3	1	1	0	10	2	13	3	0	1	138	0	0	1	24	0	8	0	7	0	4	9	21	7	31	11	105	11	9235	6
0	2	19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	1	0	1	0	12	0	0	973

0.8532982807942834

Kernel: (16, 2), Adadelta, cosine_proximity

5096	51	27	4	35	44	21	7	9	0	9	13	35	2	0	5	14	0	0	0	41	11	7	2	1	0	22	27	33	4	46	8	103	14	25	8
14	13876	7	0	29	24	10	2	21	27	9	5	46	5	0	1	37	0	0	0	74	5	12	0	1	0	11	17	38	9	32	10	62	24	41	5
21	85	4958	10	22	62	34	9	11	3	32	17	43	1	2	27	81	0	2	0	65	18	15	7	7	0	57	81	43	12	76	3	204	33	24	40
16	24	16	2066	10	38	4	1	17	1	13	4	21	0	1	3	23	0	0	0	19	3	1	8	3	0	18	4	20	3	25	6	73	19	20	1
8	19	5	3	5855	17	10	2	11	0	2	137	34	1	0	5	16	1	0	0	34	13	1	4	1	0	5	15	32	6	16	2	25	18	7	2
15	47	7	198	4	7352	17	1	10	0	7	3	33	1	0	3	17	0	0	0	32	2	8	5	5	0	8	14	33	5	32	8	88	13	11	2
18	75	16	14	20	52	11692	1	18	1	6	7	71	1	2	13	21	1	5	0	59	0	14	0	5	0	8	20	46	16	44	5	107	35	49	10
2	2	2	1	2	4	5	1143	0	0	0	0	5	0	5	2	3	0	0	0	5	1	2	0	0	0	2	0	1	0	1	2	12	4	2	1
4	28	4	1	3	18	5	0	5468	0	0	1	31	0	0	1	10	0	0	0	41	4	1	0	4	0	1	12	44	3	9	35	32	2	11	1
11	3517	6	8	17	17	22	2	16	2065	23	12	8	0	4	1	28	6	0	0	8	18	9	0	4	0	6	14	14	5	28	18	24	4	28	1
60	172	103	37	44	98	95	20	22	6	7467	34	46	7	6	47	332	9	3	0	105	104	32	16	31	0	117	176	156	36	358	19	478	73	73	19
11	14	2	1	127	5	2	1	5	1	2	1085	6	0	0	4	17	0	1	0	14	4	3	0	4	0	9	5	17	1	8	4	14	3	2	5
1	6	1	1	1	2	3	0	10	0	3	0	2797	1	0	24	2	1	0	0	13	0	1	0	0	0	1	2	9	0	6	3	12	24	1	0
1	1	0	1	7	1	1	0	2	0	0	0	1	545	0	0	3	0	0	0	0	3	0	0	0	0	2	4	2	1	1	0	3	4	0	0
10	2	0	3	2	10	3	7	6	3	17	0	1	0	2012	0	13	1	1	0	0	3	0	0	2	0	0	8	5	0	384	3	7	3	6	0
3	15	9	7	1	5	7	0	4	0	3	2	35	1	0	830	23	0	1	0	4	4	0	1	4	0	4	7	13	1	5	0	22	42	11	1
20	84	16	11	37	44	48	5	28	1	13	13	49	3	4	24	7915	0	0	0	123	6	11	1	33	0	47	57	100	3	40	44	108	29	43	3
3	2	0	0	0	2	3	1	2	0	1	2	1	0	1	0	0	358	0	0	3	0	389	0	0	0	0	1	1	4	6	4	1	1	2	0
4	2	2	9	5	15	6	6	0	16	94	7	1	0	22	0	23	7	2032	0	0	1	0	0	2	0	0	4	8	1	17	1	9	1	2	1
1	2	0	0	1	2	0	0	2	0	0	0	1	0	0	209	0	0	0	0	0	0	1	0	0	0	11	41	0	0	0	1	4	3	0	0
1	8	2	0	4	14	3	0	3	0	1	2	12	0	0	1	104	0	1	0	6059	0	2	0	0	0	0	1	11	1	2	140	8	1	21	1
5	19	4	2	2	7	4	2	3	2	1	3	0	0	0	2	15	0	0	0	7	867	5	0	4	0	6	8	5	3	3	0	22	8	4	0
2	9	0	0	3	7	3	0	1	0	0	2	8	0	0	2	0	4	1	0	5	0	2336	0	1	0	0	4	3	0	3	1	3	2	0	1
0	5	1	1	3	0	1	1	1	0	4	0	3	0	0	0	0	0	0	0	3	0	1	274	0	0	9	1	2	0	4	0	3	2	0	0
14	11	9	4	12	10	12	1	7	11	3	3	25	25	0	8	43	2	0	0	1	8	3	1	3295	0	6	19	15	1	40	3	46	11	6	3
0	1	0	0	0	0	2	0	2	0	1	0	352	0	0	33	0	0	0	0	1	0	0	0	2	0	0	1	0	0	1	2	0	3	0	0
0	4	0	0	1	2	0	1	0	0	0	0	4	0	0	2	0	0	0	0	7	2	0	1	0	0	688	10	7	2	5	0	19	2	0	2
3	49	16	4	21	13	13	3	27	4	14	11	16	0	0	23	65	0	0	0	25	4	5	2	2	0	53	4572	67	0	16	5	21	10	9	0
0	18	8	1	11	17	3	3	6	0	1	1	11	1	0	6	5	0	0	0	34	6	6	0	3	0	6	4	7971	1	4	1	24	8	13	2
5	18	3	1	0	17	3	6	6	0	8	0	18	0	0	3	6	1	0	0	18	0	11	0	1	0	5	11	15	2378	23	0	30	4	6	1
13	22	13	1	11	45	14	10	4	0	5	1	23	3	3	3	9	0	2	0	36	4	5	0	0	0	26	15	26	7	8349	10	153	12	12	10
0	3	0	0	0	7	2	0	0	0	0	0	6	0	0	0	64	0	0	0	1643	0	0	0	0	0	3	0	1	0	0	1778	0	0	5	1
21	87	42	4	28	50	22	9	15	1	18	7	52	1	0	7	13	2	3	0	69	10	22	1	1	0	66	23	59	16	71	6	14546	27	16	16
23	58	79	28	33	28	32	13	15	2	27	27	43	6	2	65	110	0	0	0	22	29	11	7	21	0	11	57	32	10	140	8	149	2220	18	3
12	46	4	2	17	30	7	2	17	1	10	2	42	3	0	11	50	0	1	0	40	5	6	0	6	0	6	15	24	6	21	45	87	35	9290	4
0	3	2	0	1	2	0	0	0	0	1	0	2	0	0	0	0	0	0	0	7	0	1	0	0	0	0	1	0	0	0	0	6	0	2	985

0.8718412970405099

Kernel: (16, 2), Adam, categorical_hinge

5026	40	99	2	9	31	23	4	6	0	18	16	22	0	0	9	13	1	0	0	28	10	11	7	4	0	11	42	14	6	47	9	168	23	15	10
20	13858	20	0	23	29	17	1	21	21	21	6	42	5	0	0	24	1	0	0	59	4	13	2	1	0	12	20	19	10	29	11	108	34	21	2
15	51	5366	2	5	38	28	1	7	1	26	1	35	1	2	18	19	0	1	0	53	6	7	7	2	0	15	50	15	12	36	1	200	32	11	41
17	29	51	1743	6	40	10	3	22	0	78	5	22	1	1	9	25	0	0	0	22	10	5	24	7	0	15	9	14	12	51	7	165	62	15	1
14	27	23	0	5561	24	25	2	13	0	12	230	28	2	0	16	14	1	0	0	37	26	2	8	8	0	12	41	40	7	29	2	59	34	6	4
20	45	32	54	2	7359	27	2	9	0	20	1	30	2	0	3	13	1	1	0	25	3	12	9	9	0	6	28	20	7	47	8	150	20	13	3
17	59	34	5	3	40	11853	1	15	0	8	1	48	1	0	13	7	0	3	0	44	0	7	0	7	0	5	21	22	12	30	5	144	15	29	3
3	2	4	0	1	4	5	1124	0	0	3	0	5	0	5	1	3	0	1	0	5	1	2	0	1	0	2	1	0	2	1	2	23	6	2	0
8	26	12	0	3	14	6	0	5487	0	4	1	34	0	0	2	4	0	0	0	40	1	4	0	3	0	2	12	11	2	8	34	39	6	8	3
10	3221	24	3	11	22	32	3	17	2276	46	14	6	0	5	2	15	9	0	0	6	30	11	0	4	0	4	24	10	5	34	19	34	19	24	4
48	119	212	7	12	71	90	13	19	1	8251	14	35	6	2	52	90	7	3	0	88	37	31	21	27	0	55	138	36	36	240	19	462	96	39	24
10	15	10	0	77	6	6	2	4	1	6	1083	6	0	1	5	13	0	1	0	16	9	6	4	4	0	6	17	15	1	9	3	27	4	2	8
2	9	3	1	0	3	5	0	8	0	4	0	2756	1	0	42	0	0	0	0	11	0	3	1	1	0	0	2	6	2	7	3	19	35	1	0
1	0	1	0	1	1	2	0	0	0	0	0	0	550	0	0	2	0	0	0	0	7	0	0	2	0	2	4	1	1	0	0	7	1	0	0
10	2	6	1	0	2	4	2	6	4	28	0	0	0	1983	1	7	1	1	0	0	8	1	0	3	0	0	8	2	0	401	3	17	5	6	0
3	13	13	0	2	5	8	0	4	0	6	1	25	1	0	844	8	0	0	0	4	7	0	2	6	0	4	12	6	1	3	0	25	52	5	5
18	88	73	5	23	46	59	3	25	6	45	10	42	2	6	50	7712	0	0	0	139	11	17	12	58	0	32	105	48	7	49	38	143	52	31	8
3	2	0	0	0	1	6	0	2	0	4	1	0	0	2	0	0	316	0	0	3	0	429	0	0	0	0	1	0	5	5	4	2	1	1	0
4	3	8	4	2	16	9	4	0	15	194	1	1	0	22	2	12	5	1946	0	0	0	0	0	2	0	0	10	2	1	18	1	5	8	2	1
0	2	0	0	1	2	0	0	2	0	1	1	0	0	0	46	0	0	0	0	0	0	1	0	0	0	102	108	0	0	0	1	5	7	0	0
2	9	9	0	4	15	7	0	2	0	3	2	12	0	0	2	65	0	1	0	6069	1	4	0	0	0	2	3	1	1	3	146	24	1	15	0
5	21	8	1	1	7	5	1	3	1	9	1	0	0	0	2	5	0	0	0	7	864	6	2	4	0	5	12	2	5	4	0	21	9	2	0
0	6	0	0	0	4	5	0	1	0	2	0	6	0	0	0	0	3	1	0	3	0	2346	0	0	0	1	3	0	0	1	1	15	2	1	0
0	3	4	0	1	0	1	0	1	0	3	0	2	0	0	0	0	0	0	0	2	0	1	286	1	0	2	3	0	0	3	0	3	3	0	0
13	8	32	0	4	10	15	0	7	5	13	0	23	5	0	7	21	2	0	0	1	9	5	2	3330	0	3	23	10	2	33	3	53	16	2	1
0	0	1	0	0	0	4	0	1	0	1	0	326	0	0	57	0	0	0	0	1	0	0	0	2	0	0	1	0	0	2	2	0	3	0	0
1	4	1	0	0	3	0	1	0	0	1	0	4	0	0	2	0	0	0	0	6	0	2	0	0	0	661	23	4	2	7	0	34	3	0	0
4	41	34	3	8	13	18	0	22	2	14	6	17	0	2	25	36	0	0	0	23	4	6	4	4	0	17	4679	37	0	9	5	24	12	4	0
13	37	19	2	5	22	11	4	12	0	10	0	7	1	0	9	12	1	1	0	54	14	12	1	4	0	9	13	7795	6	12	2	72	10	4	1
2	16	5	1	0	14	8	4	7	1	12	0	10	0	0	2	4	1	0	0	16	0	11	0	1	0	3	14	7	2388	12	0	50	7	1	1
17	30	37	0	1	31	24	11	4	0	14	2	20	3	7	3	10	2	1	0	41	6	5	1	1	0	29	19	15	14	8215	5	235	22	15	7
0	5	0	0	0	10	2	0	0	0	0	0	7	0	0	0	52	0	0	0	1556	0	0	0	0	0	3	1	0	0	0	1872	3	0	2	0
12	44	31	0	7	39	9	4	14	0	13	0	31	1	0	4	1	1	2	0	41	2	10	0	1	0	17	12	17	7	31	7	14942	23	5	3
20	26	97	8	5	24	38	5	11	0	46	7	26	4	0	63	36	1	0	0	23	12	10	9	18	0	9	37	13	11	52	9	139	2516	9	45
23	65	58	1	13	30	20	4	11	2	42	3	42	3	0	28	60	1	2	0	35	16	14	2	9	0	13	27	19	10	25	47	142	48	9023	9
0	6	23	0	0	2	3	0	0	0	6	0	2	0	0	0	0	0	0	0	8	0	2	0	1	0	0	3	0	0	3	0	21	3	2	928

0.8764146785455409

Kernel: (16, 2), Adamax, cosine_proximity

5101	22	99	2	16	48	11	4	9	0	14	17	31	0	0	7	3	0	0	2	34	6	3	2	2	6	7	22	17	11	40	6	132	22	16	12
31	13714	59	0	38	33	15	1	19	25	23	7	34	8	0	0	18	0	0	1	75	7	10	2	0	14	8	29	32	16	30	6	113	42	36	8
10	21	5656	3	6	34	9	0	4	0	10	1	26	1	1	5	6	0	1	2	37	3	5	4	2	10	10	29	10	11	20	1	98	31	7	31
16	18	78	1865	12	93	3	2	16	0	45	6	17	0	1	6	21	0	0	0	21	4	1	11	5	6	11	8	11	21	25	6	100	36	14	2
10	10	19	0	5909	22	10	1	11	0	4	85	21	1	0	8	8	0	0	0	34	8	2	0	0	11	5	22	19	7	14	2	35	19	6	4
7	25	34	21	7	7599	11	0	4	0	10	0	24	2	0	0	11	0	0	0	19	2	3	5	4	9	2	17	13	10	18	7	84	20	6	7
23	64	111	8	15	60	11531	1	21	1	15	5	46	4	1	14	8	0	5	1	57	0	7	1	9	20	6	31	30	28	44	4	162	71	37	11
2	2	7	1	3	5	4	1123	0	0	1	0	4	0	5	2	3	0	0	0	5	1	1	0	0	3	1	0	0	5	1	1	21	4	2	2
3	23	14	0	5	18	3	0	5490	0	1	5	44	1	0	1	4	0	0	1	37	4	1	0	2	0	2	8	11	6	8	26	40	4	10	2
14	2675	48	5	22	29	30	2	17	2776	56	15	4	1	4	0	26	4	0	0	8	10	4	1	4	3	3	35	11	9	30	16	29	19	33	1
52	99	442	9	28	95	73	13	18	2	8030	17	47	7	1	27	106	0	1	2	86	19	17	19	28	14	36	126	45	95	223	19	435	102	45	23
10	7	14	0	123	7	2	1	3	1	4	1106	6	0	0	2	8	0	1	1	15	2	2	0	1	0	4	9	9	3	7	4	14	5	1	5
0	2	3	1	0	3	1	0	4	0	3	0	2834	1	0	14	0	0	0	2	7	0	0	0	0	2	0	2	6	1	4	1	9	24	1	0
1	0	0	0	3	1	0	0	0	0	0	0	0	559	0	0	1	0	0	0	0	2	0	0	0	1	2	4	1	1	0	0	3	4	0	0
8	2	10	2	1	15	3	2	6	4	41	0	0	0	1978	1	12	1	0	0	0	1	0	0	4	1	0	10	2	5	379	3	10	7	4	0
3	11	18	2	4	6	6	0	4	0	6	3	46	1	0	818	10	0	0	1	5	5	0	0	4	2	2	9	7	2	4	0	21	57	8	0
20	84	126	7	40	51	49	0	20	1	34	14	37	3	3	28	7766	0	1	2	156	5	9	8	35	13	20	87	44	21	39	29	126	47	32	6
4	2	2	1	0	3	6	0	2	0	8	3	1	0	2	0	5	365	0	0	2	1	347	1	0	0	0	4	0	13	6	3	2	3	2	0
6	2	35	7	7	26	14	3	0	23	473	5	0	0	25	3	28	3	1572	0	0	1	0	0	2	1	0	11	3	6	16	1	1	18	4	2
0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	271	0	0	0	0	0	0	0	1	0	0	0	1	3	1	0	0
3	7	11	0	6	15	6	0	2	0	3	4	24	0	0	0	50	0	1	1	6106	0	2	0	0	4	0	2	4	3	2	107	22	1	13	4
6	16	23	1	5	8	3	1	1	1	7	2	0	0	0	2	7	0	0	0	6	842	3	1	5	0	3	14	3	10	4	0	21	14	4	0
3	6	5	0	4	10	5	0	1	0	1	3	12	0	0	1	1	3	1	1	4	0	2284	0	1	0	0	6	2	11	6	2	19	6	1	2
0	3	7	0	1	0	1	0	1	0	4	0	1	0	0	0	0	0	0	0	3	0	0	287	0	1	0	1	0	0	4	0	4	1	0	0
13	8	43	0	14	11	12	1	8	7	6	4	12	15	0	7	31	3	0	0	0	2	1	2	3276	14	4	21	12	10	31	1	58	24	4	3
0	0	1	0	1	0	2	0	2	0	1	0	222	0	0	32	0	0	0	0	1	0	0	0	2	130	0	1	0	0	1	2	0	3	0	0
2	4	4	0	1	3	0	1	0	0	1	0	4	0	0	1	0	0	0	0	6	1	0	0	0	1	664	27	4	3	8	0	19	3	0	2
5	38	55	4	17	14	15	1	18	1	10	11	15	1	0	30	37	0	0	0	26	3	3	2	2	8	14	4663	19	0	13	3	20	18	7	0
10	21	25	1	26	22	9	2	9	0	7	3	6	1	0	4	6	1	0	0	40	10	7	0	3	7	6	16	7820	11	15	2	59	16	5	5
2	9	7	0	0	15	0	1	6	1	0	0	11	0	0	0	0	0	0	1	8	1	3	0	0	7	1	4	2	2488	5	0	21	3	1	1
12	22	71	0	9	49	8	6	4	0	18	1	23	3	2	1	7	0	0	1	33	1	3	0	0	8	16	17	11	29	8240	7	195	24	13	13
0	3	3	0	0	8	2	0	0	0	0	0	6	0	0	0	50	0	0	0	1733	0	0	0	0	4	3	1	0	1	0	1684	8	0	6	1
10	36	76	0	11	51	4	2	14	1	14	2	31	1	0	2	1	0	1	2	38	2	8	0	0	11	27	17	17	21	41	2	14843	25	6	14
18	19	143	9	14	28	27	4	8	0	23	10	32	4	0	68	34	0	0	1	22	8	3	4	14	5	6	32	11	22	45	10	111	2581	10	3
19	37	57	2	22	35	13	4	10	0	23	4	21	2	0	11	63	0	0	2	37	3	3	0	4	22	7	21	20	16	19	37	118	51	9154	10
0	1	4	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	6	0	0	997

0.882880062367491

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

5133	48	51	3	15	38	24	2	8	0	18	13	30	0	0	7	15	1	0	2	51	3	8	2	1	2	9	24	20	7	35	4	98	15	26	11
15	14004	19	0	41	24	15	1	15	3	11	4	35	3	0	0	6	1	0	2	46	5	14	0	0	2	9	15	18	5	23	5	58	20	29	6
13	45	5506	1	14	24	21	0	5	1	26	3	34	1	1	11	33	0	1	3	57	2	7	2	3	4	16	41	9	10	41	1	95	27	15	32
14	42	62	1807	14	37	14	2	13	0	63	12	24	0	2	11	64	0	0	0	35	6	1	6	6	2	15	10	8	8	43	5	79	55	19	2
11	10	6	0	5975	17	9	0	8	0	6	102	27	0	0	5	5	0	0	0	33	6	3	0	0	1	1	12	11	4	10	2	16	18	7	2
13	57	39	37	12	7297	41	0	5	0	16	11	38	3	0	1	41	1	2	1	62	2	10	2	7	4	4	41	20	6	42	9	97	18	31	11
16	70	44	5	15	30	11842	1	11	0	5	5	48	2	1	15	5	0	5	1	49	1	9	0	7	6	4	19	21	4	52	3	73	35	38	10
3	4	3	0	4	4	4	1140	0	0	0	2	3	0	4	0	4	0	0	0	5	1	2	0	0	0	1	1	0	3	2	1	11	3	3	1
6	35	10	0	6	12	5	0	5475	0	3	3	47	2	0	0	12	0	0	1	40	2	2	0	3	0	3	10	6	3	5	22	24	4	31	2
10	4157	10	2	19	13	35	1	16	1427	42	13	2	0	3	0	17	7	1	0	6	10	6	0	4	2	2	28	8	2	29	15	10	20	26	1
53	177	215	8	23	71	111	12	23	2	8178	28	44	6	2	41	175	5	6	2	106	23	22	5	29	4	37	154	37	24	253	18	332	97	55	23
9	14	6	0	118	6	3	0	2	0	2	1140	5	0	0	2	8	0	1	1	10	3	3	0	2	0	3	4	5	1	6	4	10	2	2	5
1	3	2	1	0	0	5	0	1	0	3	0	2858	1	0	4	0	1	0	2	6	0	1	0	0	0	0	1	4	0	4	1	4	21	1	0
1	1	1	0	7	1	0	0	0	0	0	0	0	561	0	0	1	0	0	0	0	0	1	0	0	0	0	1	3	1	1	0	0	2	1	0
10	3	2	1	1	4	4	0	5	3	32	1	0	0	2082	1	15	1	0	0	0	1	0	0	5	0	0	13	2	0	310	3	3	5	5	0
3	20	19	1	3	5	9	0	2	0	5	7	60	1	0	794	15	0	1	0	3	5	0	0	3	0	1	7	7	0	3	0	19	60	12	0
19	120	38	5	46	33	64	0	16	4	27	22	34	3	4	39	7832	0	3	2	182	4	14	4	39	4	26	100	31	4	34	29	102	28	47	4
3	2	0	0	0	1	6	0	2	0	3	1	1	0	2	0	0	495	0	0	1	1	258	0	0	0	0	1	0	2	5	2	0	1	1	0
4	4	11	5	6	14	14	3	0	13	162	3	0	0	30	0	28	4	1948	0	0	2	0	0	2	0	0	8	2	1	15	1	0	14	2	2
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	276	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
0	13	4	0	9	5	12	0	1	0	1	8	24	0	0	2	48	0	1	0	6155	0	3	0	0	3	0	1	1	1	1	82	9	0	15	4
5	22	8	1	5	7	3	1	1	0	5	3	0	0	0	2	9	0	0	0	7	876	5	1	5	0	5	7	2	2	6	0	13	9	3	0
1	2	2	0	1	5	3	0	1	0	2	2	8	0	0	0	0	4	1	0	3	0	2353	0	1	0	0	1	0	0	1	2	3	2	1	2
0	4	4	0	1	0	3	0	2	0	6	0	2	0	0	0	1	0	0	0	5	0	1	279	0	0	1	2	0	0	2	0	3	3	0	0
22	21	16	0	16	6	14	1	9	7	7	9	16	8	0	9	27	3	0	1	0	3	3	1	3329	3	7	20	6	0	23	1	36	26	5	3
0	2	0	0	1	0	4	0	0	0	1	0	311	0	0	41	1	0	0	0	1	0	0	0	2	29	0	1	0	0	1	2	0	3	1	0
1	4	3	0	0	3	1	1	0	0	1	0	4	0	0	1	1	0	0	0	7	0	0	0	0	1	694	14	2	2	6	0	10	1	0	2
4	50	36	4	27	12	19	2	16	2	10	13	23	1	1	21	34	0	1	0	25	3	3	1	2	2	15	4685	10	0	8	3	16	15	9	0
6	33	21	2	32	17	14	3	5	1	8	5	7	2	0	4	14	2	2	0	40	5	9	0	13	2	8	36	7776	2	11	2	60	10	20	3
3	22	12	1	1	14	10	3	7	1	16	1	11	0	0	1	15	0	0	0	17	1	10	0	2	5	2	16	7	2355	20	0	29	7	7	2
21	28	33	0	20	26	9	7	7	0	10	5	23	3	4	3	14	1	2	1	45	3	5	1	0	1	10	23	14	8	8355	8	113	15	17	12
0	9	0	0	0	6	2	0	0	0	0	0	8	0	0	1	51	0	0	1	1792	0	0	0	2	3	2	1	2	0	0	1619	2	1	10	1
23	76	93	0	25	46	30	10	15	0	24	4	42	1	0	5	6	3	1	3	65	4	18	0	3	4	49	34	10	13	76	2	14579	26	27	14
20	47	234	7	22	22	37	2	11	0	30	21	34	3	1	44	66	0	0	2	32	9	4	2	14	1	9	32	12	6	48	8	77	2455	14	3
9	49	13	1	16	14	10	0	0	0	14	7	15	1	0	3	26	0	2	2	35	2	3	0	3	1	4	7	10	4	20	21	49	17	9484	5
0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	1	1002

0.8809822367443723

Kernel: (16, 2), Nadam, categorical_hinge

5141	48	30	7	6	38	12	7	15	0	13	9	25	1	0	29	10	0	0	2	27	4	3	0	8	0	0	48	13	11	22	2	126	36	21	10
22	14049	14	1	15	24	6	1	16	21	14	2	40	4	0	1	15	0	1	0	50	2	4	0	0	0	0	15	22	12	11	2	46	25	15	4
23	81	5180	22	5	54	19	6	8	6	33	1	34	1	2	69	44	0	4	7	45	5	6	0	8	0	0	115	10	23	42	1	160	50	17	24
15	22	22	2122	5	20	4	2	19	0	19	1	20	0	0	14	15	0	0	2	19	4	1	0	4	0	0	6	5	13	9	2	63	36	15	2
15	37	14	5	5635	17	11	4	14	0	8	188	41	8	0	26	27	0	0	2	33	13	2	0	7	0	0	39	25	8	16	0	51	51	7	3
13	53	15	212	6	7324	19	1	16	1	10	0	39	5	0	14	18	0	0	2	20	2	9	0	5	0	0	26	9	15	7	6	89	28	12	5
23	125	35	17	12	54	11453	5	21	2	19	1	57	4	3	39	24	0	5	2	53	0	10	0	32	0	0	89	35	32	43	2	143	56	46	10
2	4	1	1	1	5	4	1138	0	0	0	0	4	0	5	3	4	0	2	0	5	1	2	0	0	0	0	0	0	4	0	0	12	7	3	1
3	31	7	1	3	11	4	0	5513	0	3	0	60	3	0	3	0	0	0	1	26	4	1	0	2	0	0	17	7	4	3	16	24	19	7	1
11	3207	9	10	9	13	14	1	16	2471	30	7	7	1	4	2	12	0	0	0	7	4	4	0	3	0	0	19	9	5	15	16	11	7	20	0
59	176	150	58	16	74	69	18	18	4	8041	15	39	4	8	139	123	0	6	18	88	16	24	0	25	0	0	283	37	81	189	10	371	177	48	17
13	21	8	4	95	5	3	1	4	5	2	1053	6	0	1	18	18	0	2	3	12	5	4	0	7	0	0	21	9	3	7	2	18	21	1	5
1	4	2	1	0	2	1	0	4	0	3	0	2827	1	0	25	0	0	0	0	3	0	0	0	1	0	0	1	4	1	5	1	6	30	1	1
1	0	0	0	0	0	0	0	0	0	0	0	0	569	0	1	2	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	4	0	0	0
10	1	1	16	0	14	1	3	5	7	24	0	0	0	2244	2	9	1	0	0	1	1	0	0	3	0	0	11	2	4	125	2	4	16	5	0
1	14	11	7	2	5	5	0	3	0	3	0	39	2	0	879	4	0	0	0	3	3	0	0	3	0	0	6	6	0	3	0	17	42	7	0
21	116	38	21	12	43	43	2	27	7	29	9	49	4	7	79	7897	0	1	12	75	7	10	0	40	0	0	102	27	15	30	28	109	61	39	3
4	5	0	0	0	2	5	0	2	3	6	1	1	0	2	0	3	172	0	0	3	0	547	0	0	0	0	5	0	12	7	3	1	2	2	0
3	3	5	24	1	13	4	1	0	23	138	0	1	0	29	7	19	2	1969	1	0	0	0	0	2	0	0	18	2	3	6	1	1	20	1	1
0	2	0	0	0	2	0	0	0	0	0	0	0	1	0	11	0	0	0	258	0	0	0	0	0	0	0	1	0	0	0	1	2	1	0	0
3	15	5	0	2	16	5	1	13	0	2	3	36	0	0	1	156	0	1	0	6052	0	2	0	0	0	0	4	5	2	3	36	17	4	16	3
6	30	7	3	0	7	3	3	1	2	5	1	0	2	0	6	12	0	0	0	6	835	5	0	5	0	0	21	2	8	3	0	17	20	3	0
2	22	1	2	1	7	3	0	1	0	2	2	10	0	0	2	1	2	1	1	6	0	2304	0	1	0	0	5	2	1	4	0	12	4	1	1
0	15	18	4	1	0	1	0	1	0	29	0	3	0	0	93	14	0	0	16	4	2	1	0	1	0	0	52	1	1	5	0	12	45	0	0
12	14	15	7	3	10	7	1	9	13	6	1	26	16	0	17	24	1	0	3	0	2	2	0	3332	0	0	32	9	5	9	2	54	19	4	3
0	0	0	0	0	0	2	0	1	0	0	0	328	0	0	60	0	0	0	0	0	0	0	0	1	0	0	1	0	2	1	2	0	3	0	0
3	12	6	1	0	5	1	3	0	0	9	0	4	1	0	5	4	0	0	305	7	4	0	0	0	0	0	291	7	6	13	0	64	4	2	2
5	55	25	10	11	12	10	2	20	6	3	1	26	1	0	32	38	0	0	5	22	2	3	0	1	0	0	4727	12	2	5	2	19	11	5	0
12	38	20	16	13	22	6	7	10	0	6	5	14	5	0	16	18	0	1	1	37	12	7	0	6	0	0	30	7756	12	8	0	75	16	4	2
3	17	1	2	0	14	1	2	7	1	7	0	13	0	0	6	3	0	0	0	12	1	5	0	1	0	0	8	4	2458	3	0	21	6	1	1
33	44	22	12	4	60	12	12	7	2	21	3	26	4	12	13	20	0	2	5	37	3	4	0	3	0	0	43	13	35	8140	4	177	35	29	10
2	4	0	0	0	9	2	0	1	0	0	0	13	0	0	0	72	0	0	1	2695	0	0	0	0	0	0	0	1	0	0	705	1	1	5	1
18	102	46	11	2	54	9	7	22	0	21	1	47	1	0	11	2	0	2	9	47	2	10	0	1	0	0	21	10	27	60	4	14721	39	13	11
16	37	112	20	4	21	25	7	8	1	19	4	39	3	1	109	35	0	0	5	20	5	5	0	16	0	0	61	12	14	29	5	80	2601	13	2
20	114	16	10	13	29	9	3	15	8	28	2	34	5	0	24	52	0	2	4	40	5	4	0	3	0	0	22	15	11	11	30	93	27	9195	3
0	3	6	0	0	2	0	0	0	0	1	0	2	0	0	1	0	0	0	0	5	0	0	0	0	0	0	2	0	0	0	0	9	1	2	979

0.8690555096080806

Kernel: (16, 2), Nadam, logcosh

5440	5	51	1	9	14	2	2	5	0	10	3	13	0	0	7	1	0	0	2	15	4	3	0	1	0	4	12	12	2	26	6	60	5	3	6
58	13782	42	0	24	23	16	1	33	13	37	4	47	0	0	1	27	0	1	2	71	13	11	0	0	0	5	20	11	6	31	6	111	35	18	5
19	26	5715	0	4	13	5	0	8	0	10	0	29	0	0	15	16	0	2	2	36	2	6	5	0	0	11	27	9	1	21	0	85	13	5	20
41	28	124	1618	12	28	9	2	19	0	112	3	25	0	1	33	95	0	0	0	23	20	1	29	6	0	20	18	10	9	28	5	90	59	11	2
14	23	18	0	5949	14	8	0	16	0	6	46	27	0	0	11	14	0	1	0	30	10	2	2	2	0	2	19	20	4	11	2	34	18	2	2
42	50	81	45	11	7113	25	0	18	0	32	2	40	0	0	19	75	0	1	2	47	12	10	6	15	0	4	61	23	7	43	10	140	25	13	9
45	67	129	4	18	38	11460	1	26	0	27	4	69	0	1	41	24	0	8	2	56	3	11	2	18	0	7	39	22	10	45	4	154	78	30	9
5	3	8	0	2	4	4	1126	0	0	2	0	5	0	4	1	9	0	1	0	4	1	2	0	1	0	1	2	0	1	2	1	16	2	1	1
13	6	10	0	3	10	3	0	5594	0	1	0	38	0	0	0	2	0	0	1	25	3	1	0	2	0	2	5	4	0	1	19	22	3	5	1
23	3144	25	2	17	14	32	1	32	2290	70	8	6	0	2	5	48	2	1	0	9	32	6	0	4	0	2	38	7	2	35	16	23	23	24	1
76	93	451	7	17	59	66	11	24	2	8061	11	45	0	1	102	233	0	11	2	79	42	17	19	27	0	45	152	41	14	199	17	369	65	29	14
13	14	17	0	149	5	2	1	4	0	2	1018	6	0	0	11	32	0	2	1	9	12	4	2	3	0	5	13	9	1	7	4	20	6	1	4
4	1	4	1	1	1	0	0	4	0	3	0	2851	0	0	6	0	0	0	0	12	0	1	0	0	0	0	1	5	0	3	1	4	22	0	0
9	4	43	4	38	3	2	0	5	0	4	0	4	0	0	22	6	0	36	5	0	130	0	59	48	0	26	88	2	1	8	0	12	24	0	0
11	1	13	0	1	2	3	0	6	5	52	0	0	0	2013	10	24	1	1	0	0	3	0	0	4	0	0	13	4	0	324	3	10	5	3	0
4	14	22	0	1	4	5	0	3	0	3	0	73	0	0	828	13	0	1	0	3	6	0	0	4	0	0	4	6	0	3	0	17	46	5	0
28	73	95	3	27	36	43	0	28	0	19	7	33	0	3	48	8053	0	2	2	79	5	10	6	40	0	21	50	33	1	33	31	98	26	27	3
5	2	2	0	0	1	7	0	2	1	8	1	1	0	2	0	3	307	0	0	2	5	419	1	2	0	0	2	0	1	8	2	0	2	2	0
7	1	22	2	3	13	4	3	0	9	124	0	1	0	26	6	28	1	2019	0	0	2	0	0	3	0	0	6	2	1	6	1	0	5	1	2
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	275	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
12	6	11	0	11	5	5	0	4	0	1	4	12	0	0	1	124	0	1	0	6084	0	2	0	0	0	0	0	7	0	5	84	14	0	7	3
7	16	13	1	1	6	3	1	2	0	3	1	0	0	0	3	11	0	0	0	7	886	5	2	5	0	4	6	2	0	4	0	12	9	3	0
3	6	7	0	1	5	2	0	1	0	2	0	6	0	0	3	0	4	2	1	6	2	2334	0	1	0	0	2	0	0	2	1	6	3	1	0
1	3	6	0	1	0	1	0	2	0	3	0	2	0	0	0	0	0	0	0	4	0	0	290	0	0	1	0	0	0	2	0	2	1	0	0
19	17	48	0	6	6	8	1	5	11	7	1	20	0	0	14	48	0	0	0	0	2	3	3	3328	0	6	18	8	0	21	1	38	16	3	0
1	1	2	0	0	0	1	0	2	0	1	0	330	0	0	51	0	0	0	0	1	2	0	0	2	0	0	1	0	0	1	2	0	3	0	0
3	4	2	0	1	2	0	1	2	0	0	0	5	0	0	2	2	0	0	2	6	1	0	1	0	0	673	9	3	0	6	0	31	1	0	2
6	48	111	4	13	11	15	1	20	3	8	4	25	0	0	25	61	0	1	0	22	11	3	7	6	0	9	4596	12	0	6	3	22	15	5	0
17	53	32	2	22	18	17	3	17	1	6	0	7	0	0	3	20	1	1	0	28	14	9	5	12	0	6	27	7752	3	13	1	61	12	10	2
7	20	40	1	0	15	7	6	13	1	60	0	12	0	0	23	28	0	0	0	18	4	8	3	3	0	3	27	5	2206	18	0	53	10	5	2
21	19	74	0	16	25	9	6	10	0	19	1	24	0	2	11	17	0	2	1	29	6	4	2	2	0	16	24	10	6	8287	8	170	13	4	9
2	3	3	0	0	6	2	0	1	0	0	0	5	0	0	0	90	0	0	0	1745	0	0	0	1	0	2	0	5	0	0	1638	4	0	5	1
43	30	96	0	7	28	3	3	18	0	23	1	36	0	0	11	10	1	1	5	45	1	13	1	5	0	21	15	14	3	50	2	14819	10	3	13
34	23	251	7	10	20	21	2	10	0	35	6	42	0	0	82	64	0	0	2	22	15	3	13	15	0	5	39	14	2	43	8	88	2443	7	3
49	51	177	1	19	21	12	1	12	0	40	1	31	0	0	15	78	0	2	2	52	9	3	5	5	0	5	18	10	5	33	28	140	35	8980	7
0	0	11	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	3	0	0	992

0.8753235685835172

ARat_2017_05_31__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

8553	0	91	2	71	108	104	3	2	108	42	0	8	135	1	6	9	23	266	43	14	3	26	1	0	0	16	0	4	63	0	0	86	1
1	5996	1	0	0	0	0	1	0	2	1	8	0	0	1	0	2	1	0	1	1	0	0	0	0	0	17	0	211	1	4	3	0	1
36	0	5381	3	39	16	52	1	3	45	13	0	5	65	1	13	2	39	113	16	20	0	11	0	0	0	5	0	11	16	0	0	40	1
16	0	15	625	3	11	32	0	2	10	11	0	5	12	3	0	1	1	31	11	0	0	2	0	0	0	18	0	15	7	0	0	8	0
1	0	3	3	5204	7	3	0	2	1	2	0	3	10	0	0	0	2	27	0	0	0	1	0	0	0	0	0	0	1	0	0	5	0
7	0	8	1	12	4109	14	1	2	16	0	0	3	19	0	6	0	4	46	267	0	1	2	0	0	0	0	0	1	5	0	0	31	0
7	0	8	0	12	15	3731	0	1	21	6	0	4	11	2	0	0	1	53	5	0	0	4	0	0	0	0	0	1	4	0	0	10	0
0	15	4	3	0	3	0	907	0	1	134	7	2	1	1	1	3	7	0	1	1	3	0	1	0	0	2	0	3	0	0	2	0	1
22	1	6	0	974	20	12	0	1715	14	13	0	4	11	1	2	1	4	56	9	1	1	5	1	0	0	3	0	1	7	0	0	10	1
14	0	14	1	16	19	23	0	11	7300	4	0	1	41	0	0	0	5	106	10	3	0	3	0	0	0	2	0	3	13	0	0	48	0
34	0	122	11	45	49	51	8	2	62	7249	0	13	106	1	0	2	58	161	42	0	5	10	0	0	0	7	0	1	41	0	0	47	0
1	8	0	1	0	0	0	0	0	10	0	1127	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1
5	0	10	4	10	4	10	0	0	2	6	0	1951	21	0	3	0	1	39	3	1	0	1	0	0	0	1	0	1	5	0	0	7	0
1	0	5	2	19	1	8	1	0	2	0	0	1	5329	0	0	0	0	27	1	0	0	2	2	0	0	1	0	0	2	0	0	33	0
10	0	10	1	1	10	1784	0	4	7	11	0	0	9	1641	0	0	7	49	3	0	1	10	2	0	0	5	0	0	4	0	0	10	0
6	16	312	1	0	6	2	3	0	3	2	0	2	1	5	781	0	6	2	1	2	2	0	1	0	0	6	0	9	1	1	0	2	0
4	5	2	1	0	2	1	0	0	2	0	1	1	0	0	0	434	2	2	1	2	0	1	0	0	0	3	0	5	171	0	0	0	1
10	0	77	3	11	121	22	0	0	21	6	0	9	36	0	3	0	3304	53	387	52	4	1	1	0	0	1	0	1	13	0	0	11	0
20	0	26	5	60	32	42	0	0	50	12	0	7	127	0	2	0	8	24778	12	4	0	4	0	0	0	0	0	4	21	0	0	155	0
17	0	33	4	11	4446	22	0	0	16	2	0	8	45	0	10	3	22	100	3015	9	3	2	0	0	0	2	0	0	8	0	0	37	0
26	35	120	6	1	40	15	1	2	6	5	20	3	14	4	13	10	229	13	650	3203	42	1	0	0	0	12	0	4	9	3	5	5	4
15	9	1	2	0	6	4	5	2	0	0	5	0	2	0	3	12	1	1	5	4	1022	0	0	0	0	9	0	1	0	16	1	0	0
15	0	1	0	11	44	14	0	0	27	24	0	5	2	0	1	0	1	92	0	0	0	4627	3	0	0	0	0	3	4	0	0	829	0
2	0	0	0	3	3	4	0	2	5	4	0	4	3070	1	0	1	2	39	0	0	0	12	568	0	0	7	0	0	2	0	0	18	0
1	1	1	0	0	0	0	89	0	0	123	2	0	0	0	0	0	106	0	11	0	151	0	0	0	0	0	0	0	0	0	0	0	0
28	2	2	0	5	0	1	0	3	5	0	4	2	0	0	0	32	0	0	7	0	1	0	0	0	0	0	0	2	25	1	7	0	0
102	0	49	7	21	57	78	2	10	53	49	0	17	451	20	0	9	17	194	8	2	10	15	27	0	0	6000	0	28	29	1	0	71	2
39	1	2	0	0	0	0	1	1	0	0	0	27	0	9	0	52	0	0	0	7	11	0	0	0	0	5	0	0	0	7	0	0	0
216	0	128	22	10	50	93	0	44	56	44	0	37	65	70	3	7	37	6433	88	0	6	73	27	0	0	167	0	5193	57	0	3	67	1
3	0	2	1	18	15	8	0	0	16	2	0	5	25	0	3	4	0	47	1	1	0	1	0	0	0	0	0	0	3031	0	0	15	5
8	260	3	0	0	0	1	4	0	1	0	5	1	0	2	8	17	0	0	0	9	6	0	0	0	0	14	0	0	1	2069	5	0	2
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	386	0	0
0	0	0	2	6	2	0	0	0	8	0	0	1	2	0	0	0	0	19	0	0	0	4	1	0	0	0	0	1	0	0	0	6487	0
0	3	1	0	0	0	0	0	0	0	1	1	0	0	0	4	1	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	477

0.8041868507862091

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

8436	0	129	12	67	51	89	3	0	191	40	0	40	137	0	3	0	27	288	29	13	3	36	1	0	0	38	0	25	68	0	0	62	1
0	5946	3	2	0	0	0	1	0	2	1	6	8	0	0	0	0	0	0	0	1	0	0	0	0	0	14	0	265	0	3	0	0	1
26	0	5423	19	39	5	30	1	1	62	8	0	10	53	0	3	0	35	127	7	15	0	15	0	0	0	7	0	21	16	0	0	24	0
8	0	9	725	1	4	5	0	0	10	6	0	15	8	1	0	0	1	22	0	0	0	2	0	0	0	6	0	8	4	0	0	4	0
2	0	3	3	5225	0	1	0	1	0	1	0	4	12	0	0	0	1	20	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
15	0	21	18	31	3487	20	0	0	38	2	0	9	32	0	4	0	15	85	666	1	44	9	0	1	0	11	1	7	6	0	0	32	0
9	0	15	2	20	8	3682	0	0	35	5	0	7	19	1	0	0	1	65	4	0	0	6	0	0	0	1	0	3	4	0	0	9	0
0	16	7	6	0	0	1	844	0	1	186	6	5	2	1	1	0	8	0	2	1	1	0	0	1	0	6	0	4	0	1	2	0	1
23	2	10	7	1469	10	10	0	1160	57	11	0	13	14	2	0	0	6	54	8	2	0	5	2	0	0	11	0	4	8	0	0	7	0
8	0	13	2	17	4	5	0	1	7436	1	2	2	30	0	0	0	4	68	2	0	0	1	0	0	0	1	0	4	6	0	0	30	0
35	0	133	54	48	12	40	0	1	96	7207	0	31	108	0	0	1	48	169	22	0	3	8	0	0	0	23	0	10	40	0	0	38	0
0	8	0	3	0	0	0	1	0	11	0	1126	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	5	4	6	1	3	0	0	4	2	0	1996	15	0	1	0	0	34	0	1	0	0	0	0	0	0	0	2	3	0	0	6	0
2	0	6	2	14	1	6	1	0	7	0	0	2	5332	0	0	0	0	29	0	1	0	3	2	0	0	0	0	1	2	0	0	26	0
17	0	18	8	1	5	2040	0	3	16	12	0	13	14	1306	0	0	7	57	5	0	0	14	2	0	0	20	0	5	6	0	0	10	0
5	17	413	14	0	0	2	3	0	6	1	0	4	0	1	661	0	5	2	0	5	1	0	0	1	0	15	0	14	1	1	0	1	0
6	7	4	20	0	1	0	0	0	3	1	1	5	1	0	0	347	2	2	0	2	0	2	0	0	0	6	0	12	218	0	0	0	1
8	0	129	10	15	25	21	0	0	38	8	0	15	36	0	1	0	3439	67	177	110	5	5	0	1	0	5	0	5	17	0	0	10	0
14	0	23	6	65	6	20	0	0	86	7	0	11	117	0	1	0	6	24876	2	4	0	3	0	0	0	0	0	10	18	0	0	94	0
36	0	46	30	31	2786	34	0	0	70	9	0	21	57	0	6	0	32	150	4387	17	29	12	0	0	0	5	0	0	18	0	0	39	0
24	37	162	48	1	12	8	2	1	17	6	21	17	12	0	11	2	224	14	287	3466	61	2	0	4	0	32	0	11	9	1	3	3	3
17	9	3	5	0	0	2	3	2	1	0	5	4	2	0	2	1	0	1	2	6	1020	0	0	2	0	17	0	1	0	21	0	0	0
15	0	6	1	12	10	8	0	0	39	32	0	13	2	0	1	0	1	98	0	0	0	5013	2	0	0	2	0	12	4	0	0	432	0
2	0	3	1	3	1	2	0	1	10	3	0	4	3222	1	0	0	3	46	0	0	0	10	389	0	0	16	0	13	3	0	0	14	0
0	1	1	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	0	0	5	0	0	467	0	1	0	0	0	0	0	0	0
16	1	3	9	5	0	0	0	1	2	1	1	2	0	0	0	10	0	0	2	0	6	0	0	0	50	3	0	4	9	2	0	0	0
68	0	54	55	14	12	28	2	5	77	38	0	45	279	8	0	1	18	187	3	2	3	13	8	0	0	6298	1	52	18	0	0	40	0
7	1	2	0	0	0	0	1	0	0	0	0	32	0	0	0	0	0	0	0	1	3	0	0	0	0	3	108	0	0	3	0	0	1
154	0	115	138	8	15	47	0	21	73	44	0	140	39	36	1	0	32	4510	42	0	4	62	23	0	0	161	0	7251	40	0	0	41	0
3	0	4	3	18	8	8	0	0	24	1	0	7	21	0	3	1	0	52	1	1	1	2	0	0	0	0	0	0	3030	0	0	11	4
5	308	3	1	0	0	0	4	0	0	0	5	9	0	0	4	1	0	0	0	9	2	0	0	0	0	16	0	4	1	2042	0	0	2
1	5	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	376	0	0
0	0	0	2	10	0	0	0	0	15	0	0	2	3	0	0	0	0	34	0	0	0	4	0	0	0	0	0	2	2	0	0	6459	0
0	3	2	0	0	0	0	0	0	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	477

0.8251784443855286

Kernel: (4, 2), Adamax, cosine_proximity

8022	0	207	3	131	109	70	6	1	156	49	0	9	110	4	9	12	46	394	40	23	0	46	3	0	0	20	0	135	108	0	0	75	1
0	5897	1	0	0	0	0	1	0	2	1	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	4	0	339	1	0	2	0	1
18	0	5397	3	50	8	16	2	0	45	8	0	3	40	0	8	0	55	144	3	21	0	22	3	0	0	0	0	62	12	0	0	26	1
12	0	23	587	10	9	11	0	0	9	8	0	4	6	2	0	1	5	37	6	0	0	3	1	0	0	7	0	84	10	0	0	4	0
1	0	3	2	5231	1	0	0	0	1	0	0	1	6	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0
7	0	6	1	26	4075	8	0	0	24	1	0	5	15	0	8	0	13	80	232	0	0	9	1	0	0	1	1	5	5	0	0	32	0
14	0	27	0	29	16	3607	0	0	35	7	0	4	14	4	0	0	1	95	6	1	0	10	0	0	0	0	0	7	6	0	0	13	0
0	11	6	1	0	2	0	930	0	2	108	5	0	1	1	1	0	14	1	0	1	0	0	1	0	0	2	0	12	1	0	2	0	1
13	1	7	1	1782	15	6	0	924	22	6	0	3	7	1	1	0	4	57	4	1	0	6	2	0	6	2	0	6	10	0	0	8	0
11	0	13	1	20	9	5	0	2	7329	1	0	1	26	0	0	0	6	122	5	5	0	5	1	0	1	1	0	14	13	0	0	46	0
24	0	157	7	70	34	33	31	1	76	7133	0	15	72	0	0	0	103	196	19	0	0	18	3	0	0	4	1	26	63	0	0	41	0
0	13	0	2	1	0	0	1	0	19	0	1112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
5	0	9	3	16	2	3	0	0	5	6	0	1911	15	0	3	0	2	62	1	2	0	5	0	0	0	0	2	23	5	0	0	5	0
1	0	15	2	31	1	7	2	0	6	1	0	1	5251	0	0	0	1	55	0	2	0	5	11	0	0	1	0	5	4	0	0	35	0
12	0	12	1	3	8	1272	1	3	10	11	0	1	2	2084	0	0	7	80	5	0	0	19	7	0	0	10	0	16	6	0	0	9	0
4	18	308	0	0	2	1	4	0	2	2	0	2	0	0	777	0	6	2	1	2	1	0	0	0	0	5	0	35	0	0	0	1	0
2	7	4	0	0	1	0	0	0	1	1	1	0	0	0	0	359	2	4	1	2	0	2	0	0	0	2	0	25	225	0	0	0	2
2	0	83	3	16	72	8	0	0	20	5	0	8	24	0	2	0	3544	73	147	103	0	8	2	0	0	1	1	3	11	0	0	11	0
5	0	15	4	60	4	2	0	0	31	6	0	3	72	0	1	0	6	25027	1	2	0	7	3	0	0	0	0	6	12	0	0	102	0
17	0	40	5	29	4639	9	0	0	36	5	0	7	41	0	10	1	38	159	2690	15	1	10	3	0	0	0	0	5	16	0	0	39	0
10	35	134	5	2	29	5	2	0	14	4	15	3	4	3	14	5	340	15	360	3434	4	3	2	0	0	10	0	25	13	2	3	3	3
41	10	6	5	0	13	2	5	2	3	1	4	0	2	0	18	24	3	2	16	45	835	0	0	0	0	17	15	6	1	46	4	0	0
4	0	0	0	13	13	3	0	0	22	19	0	3	0	0	1	0	0	89	0	0	0	5326	4	0	0	0	0	9	1	0	0	196	0
2	0	7	1	6	2	3	0	1	5	5	0	2	2027	3	0	0	3	71	0	0	0	12	1557	0	0	1	0	19	4	0	0	16	0
0	1	2	0	0	0	0	8	0	1	335	1	0	0	0	0	0	0	128	0	1	0	7	0	0	0	1	0	0	0	0	0	0	0
7	2	3	1	11	0	0	0	1	2	0	1	0	0	0	0	0	23	0	0	3	1	1	0	0	0	45	1	0	4	21	0	0	0
74	1	91	16	43	34	36	6	7	67	51	0	16	196	26	1	15	31	242	9	4	2	24	272	0	0	5633	1	325	43	0	0	60	3
3	3	0	0	0	0	0	1	0	0	0	0	6	0	2	0	1	0	0	0	3	0	0	0	0	0	0	138	2	0	2	0	0	1
51	0	50	0	18	19	23	0	20	31	36	0	13	7	46	2	0	32	4807	30	0	2	71	41	0	1	40	0	7586	30	0	0	40	1
3	0	3	2	25	9	3	1	0	17	2	0	5	16	0	4	0	1	74	2	2	0	3	1	0	0	0	0	2	3008	0	0	15	5
7	745	4	0	0	0	0	6	0	1	0	5	2	0	1	9	7	0	0	0	11	0	0	0	0	0	3	0	17	1	1590	5	0	2
0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	384	0	0
0	0	0	2	10	2	0	0	0	4	0	0	1	1	0	0	0	0	34	0	0	0	4	2	0	0	0	0	1	0	0	0	6472	0
0	4	1	0	0	0	0	0	0	2	1	1	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	472

0.8180410265922546

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

8945	0	58	5	44	34	50	2	0	141	42	0	6	100	0	3	0	5	223	14	6	0	27	1	0	0	8	0	5	24	0	0	46	0
21	5550	4	3	0	0	1	2	0	2	3	7	6	0	0	3	1	1	0	1	2	0	0	1	0	0	43	1	590	2	5	2	0	2
77	0	5286	28	37	7	29	1	1	113	22	0	7	57	1	6	0	20	122	5	39	0	17	3	0	0	5	0	34	9	0	0	21	0
18	0	7	704	1	5	8	0	0	28	9	0	2	11	1	0	1	0	23	0	0	0	3	0	0	0	6	0	7	3	0	0	2	0
3	0	3	3	5206	0	3	0	1	5	2	0	2	12	0	0	0	0	31	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0
66	0	10	5	24	3972	14	0	0	77	5	0	4	24	0	8	1	7	73	207	3	0	8	2	1	0	6	1	4	5	0	0	28	0
23	0	17	0	16	8	3657	0	1	50	18	0	4	17	0	0	0	1	60	4	0	0	5	1	0	0	1	0	2	3	0	0	8	0
3	8	4	4	0	1	0	816	0	1	242	6	0	2	1	1	0	2	0	0	0	0	0	1	1	0	6	0	3	0	0	0	0	1
37	0	6	3	1009	8	11	0	1665	40	15	0	4	10	0	2	1	1	55	5	1	0	3	3	0	0	2	0	2	6	0	0	6	0
23	0	5	5	15	4	3	0	5	7445	3	1	1	33	0	0	1	1	57	2	1	0	2	0	0	0	2	0	2	5	0	0	21	0
49	0	52	24	37	14	22	3	1	75	7561	0	11	79	0	0	0	10	128	8	0	0	6	1	0	0	5	0	4	10	0	0	27	0
1	10	0	5	0	0	0	1	0	15	0	1117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7	0	9	5	10	2	4	0	0	8	11	0	1948	18	0	3	0	0	39	2	2	0	3	0	0	0	1	1	5	3	0	0	4	0
1	0	5	3	13	0	6	0	0	10	2	0	1	5336	0	0	0	0	28	0	0	0	3	5	0	0	0	0	2	1	0	0	21	0
38	0	17	8	1	6	2328	0	3	24	19	0	2	9	1012	0	0	3	58	4	0	0	11	6	0	0	14	0	7	3	0	0	6	0
25	11	328	8	0	0	1	5	0	24	5	0	2	0	0	732	0	4	1	0	1	1	1	0	1	0	6	0	16	0	1	0	0	0
19	4	3	17	0	3	1	0	0	6	1	1	2	2	0	0	330	1	3	1	2	0	1	0	0	0	8	0	10	225	0	0	0	1
51	0	196	11	14	66	22	0	0	106	37	0	11	38	0	2	1	3124	72	238	127	0	4	1	1	0	3	0	3	11	0	0	8	0
44	0	22	6	53	10	29	0	0	168	23	0	9	137	0	2	0	4	24739	5	0	0	5	1	0	0	1	0	13	12	0	0	86	0
119	0	45	16	24	4506	32	1	0	132	18	0	9	56	0	9	2	18	146	2612	16	0	8	1	0	0	2	0	0	11	0	0	32	0
179	26	173	32	0	26	10	4	1	45	14	19	3	12	0	18	6	166	14	383	3299	7	2	0	5	0	26	1	14	7	2	3	3	1
202	8	5	7	0	4	4	4	2	13	0	6	1	2	0	8	6	0	1	7	17	760	0	0	2	0	36	5	1	0	25	0	0	0
33	0	5	0	15	14	10	0	0	51	35	0	6	3	0	2	0	1	103	0	0	0	5266	9	0	0	1	0	7	4	0	0	138	0
4	0	0	1	3	2	4	0	2	10	5	0	3	2646	1	0	0	1	34	0	0	0	9	1004	0	0	3	0	6	1	0	0	7	1
0	1	1	0	0	0	0	0	0	0	15	2	0	0	0	0	0	0	0	0	0	0	0	0	465	0	1	0	0	0	0	0	0	0
45	2	1	5	2	0	0	0	5	18	0	1	0	0	0	0	0	23	0	1	3	1	1	0	0	0	0	1	1	17	0	0	0	0
208	0	45	47	11	15	31	1	10	138	49	0	17	318	7	0	0	11	184	1	2	0	18	89	0	0	6016	0	67	16	0	0	26	2
20	1	0	0	0	0	0	1	0	0	0	0	10	0	0	0	0	0	0	0	1	1	0	0	0	0	0	127	0	0	0	0	0	1
328	0	80	130	3	20	65	0	40	204	57	0	36	56	29	2	1	23	4268	34	0	0	62	38	0	0	152	0	7312	31	0	0	26	0
23	0	5	2	21	8	10	0	0	32	8	0	5	32	0	3	2	0	55	1	1	0	1	1	0	0	0	0	1	2978	0	0	11	3
174	140	7	1	0	0	0	5	0	2	0	4	6	0	1	13	3	0	0	0	11	0	0	0	0	0	52	1	10	1	1981	2	0	2
13	1	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	367	0	0
1	0	1	3	9	2	0	0	0	25	1	0	1	3	0	0	0	0	47	0	0	0	7	6	0	0	0	0	1	1	0	0	6425	0
0	1	2	0	0	0	0	0	0	2	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	476

0.8171871066093445

Kernel: (16, 2), RMSprop, categorical_crossentropy

8374	0	103	5	45	48	71	1	9	531	18	0	6	75	0	5	0	53	208	29	12	0	30	1	0	0	45	0	22	43	0	0	55	0
0	5953	1	0	0	0	0	0	0	2	1	2	0	0	0	0	0	1	0	0	1	0	0	1	0	0	16	0	272	0	0	2	0	1
29	0	5269	4	34	8	27	0	7	152	2	0	3	28	0	38	0	105	88	12	40	0	18	1	0	0	11	0	44	9	0	0	18	0
13	0	17	581	1	5	7	0	2	84	7	0	2	3	1	0	0	5	20	5	1	0	3	1	0	0	38	0	37	4	0	0	2	0
3	0	7	4	5179	1	5	0	2	15	1	0	2	11	0	0	0	3	30	0	1	0	2	0	0	0	0	0	0	3	0	0	6	0
14	0	6	1	16	3347	11	1	0	63	2	0	4	13	0	6	0	39	50	941	1	0	7	2	0	0	6	0	2	4	0	0	19	0
14	0	20	0	13	7	3638	0	9	89	2	0	2	8	1	0	0	4	53	8	1	0	7	1	0	0	2	0	5	5	0	0	7	0
3	17	6	1	0	0	0	817	0	7	98	7	0	3	1	2	0	75	0	1	3	0	0	1	2	0	23	0	30	0	1	4	0	1
14	1	2	1	405	7	6	0	2325	61	2	0	2	4	0	1	0	4	33	4	1	0	5	1	0	4	1	0	1	4	0	0	6	0
6	0	1	1	7	1	2	1	2	7569	0	2	0	8	0	1	0	6	12	1	4	0	1	0	0	0	1	0	2	1	0	0	8	0
74	0	198	8	50	15	65	6	7	781	6118	0	11	81	0	4	0	263	155	25	5	1	17	7	1	0	124	0	35	39	0	0	36	1
0	9	0	0	0	0	0	0	0	29	0	1111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
6	0	18	5	11	2	10	0	0	28	4	0	1867	16	0	3	0	5	41	5	7	0	5	0	0	0	8	0	34	5	0	0	5	0
4	0	24	3	17	2	9	1	1	42	1	0	2	5210	0	0	0	6	37	1	4	0	2	28	0	0	11	0	7	3	0	0	22	0
27	0	17	1	1	2	1770	0	9	50	7	0	0	3	1537	0	0	16	41	10	0	0	15	8	0	0	30	0	22	6	0	1	6	0
5	16	241	0	0	0	1	1	0	14	1	1	0	0	1	835	0	7	1	1	7	1	0	0	1	0	16	0	23	0	0	0	0	0
7	8	5	0	0	0	0	0	0	14	0	1	0	0	0	0	315	5	2	3	2	0	1	0	1	3	13	0	25	235	0	0	0	1
3	0	27	3	8	18	7	0	0	42	0	0	0	16	0	3	0	3785	28	90	92	0	3	1	1	0	5	0	2	6	0	0	7	0
42	0	76	8	52	26	47	0	1	312	6	0	7	101	0	5	0	36	24421	18	14	0	10	3	0	0	15	0	37	26	0	0	106	0
33	0	23	7	19	2266	25	0	3	109	3	0	6	29	0	9	0	88	94	5039	17	1	5	0	0	0	5	0	1	8	0	1	24	0
14	30	78	6	0	12	3	0	1	45	3	13	0	5	0	19	0	491	9	202	3513	3	2	1	2	0	21	0	13	6	1	3	3	2
28	9	3	2	0	6	1	2	2	12	0	2	1	1	0	7	2	5	1	14	81	812	0	0	1	1	95	1	1	0	35	1	0	0
21	0	10	0	8	26	9	0	3	64	14	0	3	1	0	4	0	7	70	0	0	0	5326	13	0	0	7	0	16	5	0	0	96	0
5	0	12	1	2	3	7	0	9	36	1	0	3	1480	0	0	0	4	39	0	0	0	8	2080	0	0	29	0	21	3	0	0	4	0
0	1	1	0	0	0	0	0	0	0	6	1	0	0	0	0	0	4	0	0	1	0	0	0	470	0	1	0	0	0	0	0	0	0
7	1	1	1	3	0	0	0	1	8	0	0	0	0	0	0	11	0	0	1	1	1	0	0	0	79	4	0	4	3	1	0	0	0
62	2	42	6	9	17	23	1	13	213	16	0	5	40	5	0	0	28	124	5	3	0	11	48	0	0	6560	0	63	16	0	0	16	1
9	2	1	0	0	0	0	0	0	0	0	1	3	0	1	0	0	0	0	0	7	2	0	0	0	0	7	121	3	1	4	0	0	0
172	0	110	14	1	21	45	0	51	344	27	0	13	10	36	5	0	77	1715	65	1	1	59	47	0	0	252	0	9866	38	0	1	26	0
6	0	5	1	10	7	7	0	0	64	1	0	5	17	0	2	1	10	42	3	3	0	1	1	0	0	0	0	0	3004	0	0	8	5
9	604	2	1	0	1	0	3	0	2	0	4	0	0	0	9	2	0	0	0	17	0	0	0	0	0	27	1	12	1	1717	2	0	2
0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	384	0	0
0	0	7	3	6	7	0	0	0	51	0	0	1	4	0	0	0	2	23	0	1	0	8	22	0	0	4	0	3	2	0	0	6389	0
0	4	1	0	0	0	0	0	0	1	0	1	0	0	0	10	1	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	0	468

0.8544417560100556

Kernel: (16, 2), Adadelta, cosine_proximity

8398	0	118	10	82	124	149	7	3	184	58	0	6	91	1	11	0	28	249	48	18	1	41	1	0	0	29	0	25	58	0	0	49	0
2	5984	0	0	0	0	0	1	0	2	1	3	0	0	1	0	0	0	0	1	1	0	0	0	0	0	12	0	242	1	1	1	0	0
32	0	5354	11	47	11	39	1	3	68	18	0	3	50	1	24	0	56	114	9	19	0	20	1	0	0	2	0	28	12	1	0	23	0
10	0	9	692	4	7	22	1	1	18	8	0	3	5	1	0	1	1	19	5	0	0	3	0	0	0	10	0	14	3	0	0	2	0
1	0	3	2	5236	1	2	0	1	0	1	0	1	11	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
6	0	6	2	24	4172	14	0	1	20	1	0	2	15	0	11	0	7	44	191	0	2	5	0	0	0	1	1	1	5	0	0	24	0
7	0	14	1	14	19	3702	0	1	34	9	0	2	13	3	0	0	1	51	3	0	0	7	0	0	0	0	0	4	3	0	0	8	0
0	15	4	4	0	3	1	884	0	2	158	3	0	2	2	2	0	11	0	1	1	0	0	0	0	0	3	0	5	1	0	1	0	0
13	1	7	1	1184	19	11	0	1568	7	14	0	2	8	2	1	0	1	33	3	1	0	3	1	0	0	2	0	2	5	0	0	6	0
11	0	7	1	18	12	7	0	15	7403	5	0	0	28	0	2	0	3	69	8	5	0	5	1	0	0	1	0	8	7	0	0	21	0
27	0	62	9	47	37	59	20	1	82	7426	0	7	72	0	1	0	59	119	27	0	0	11	1	0	0	7	1	4	22	0	0	26	0
0	11	0	2	1	0	1	1	0	46	1	1088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	14	12	13	8	20	0	0	9	11	0	1875	17	1	3	0	2	37	9	4	0	4	0	0	0	4	5	15	9	0	0	4	0
0	1	11	3	21	1	8	2	0	9	2	0	1	5309	0	0	0	0	29	1	2	0	7	5	0	0	1	0	2	3	0	0	19	0
8	0	11	1	1	11	1692	0	3	13	11	0	0	7	1746	0	0	2	33	4	0	0	11	3	0	0	7	0	7	4	0	0	4	0
6	19	289	8	0	3	2	2	0	7	3	1	1	1	1	802	0	6	1	0	0	1	1	1	0	0	4	0	13	0	1	0	0	0
5	8	5	9	0	5	0	0	0	5	1	1	0	0	0	0	372	3	2	3	1	0	0	0	0	0	4	0	11	206	0	0	0	0
4	0	104	5	15	149	20	0	0	23	20	0	6	29	0	4	0	3178	54	414	91	3	6	0	0	0	1	0	2	11	0	0	8	0
19	0	41	8	96	37	63	0	1	108	27	0	6	123	1	4	0	8	24647	18	3	0	10	2	0	0	2	0	30	28	0	0	87	0
17	0	32	9	22	4991	24	1	0	31	6	0	5	37	0	11	0	21	98	2455	10	0	6	1	0	0	2	0	1	10	0	0	25	0
29	36	133	11	2	41	11	3	2	17	13	14	2	7	5	23	3	214	12	782	3092	15	2	1	0	0	10	1	5	7	2	3	3	0
31	9	2	7	0	12	6	6	2	0	1	6	0	1	0	9	5	0	1	10	11	958	0	0	0	0	15	10	1	1	22	0	0	0
6	0	1	1	16	32	9	0	1	26	26	0	2	2	0	2	0	0	67	0	0	0	5406	4	0	0	1	0	10	4	0	0	87	0
3	0	7	1	4	3	3	0	3	8	4	0	2	2875	2	0	0	3	31	0	0	0	13	762	0	0	6	0	9	2	0	0	6	0
0	1	2	0	0	1	0	6	0	0	439	1	0	0	0	0	0	20	0	3	0	11	0	0	0	0	1	0	0	0	0	0	0	0
29	2	1	3	7	1	1	0	3	20	0	0	0	0	0	0	0	29	0	0	3	0	3	0	0	0	1	2	2	20	0	0	0	0
117	0	49	38	21	41	90	5	10	86	49	0	8	204	22	3	1	26	153	3	3	7	21	45	0	0	6176	1	95	27	0	0	28	0
14	2	2	0	0	0	0	1	0	0	0	0	11	0	2	0	0	0	0	0	3	3	0	0	0	0	1	118	0	1	4	0	0	0
162	0	115	75	19	41	102	1	47	84	50	0	21	24	74	3	0	39	2169	81	1	4	66	31	0	0	126	1	9587	43	0	1	30	0
3	0	4	2	22	21	10	1	0	28	4	0	4	19	0	6	4	2	47	3	2	0	3	0	0	0	0	0	0	3012	0	0	6	0
18	385	1	1	0	0	0	5	0	1	0	5	0	0	2	8	2	0	0	0	11	0	0	0	0	0	18	1	4	2	1947	5	0	0
0	3	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	382	0	0
0	0	2	3	18	5	1	0	0	34	2	0	1	8	0	0	0	0	42	0	0	0	23	7	0	0	3	0	2	5	0	0	6377	0
1	12	2	0	0	0	0	0	0	2	1	3	0	0	1	201	1	0	0	0	0	1	0	0	0	0	2	0	0	260	4	0	0	0

0.8291358649730682

Kernel: (16, 2), Adam, categorical_hinge

8575	0	103	2	59	49	51	1	4	144	73	0	5	71	0	16	0	14	330	25	19	0	51	2	0	0	19	0	72	42	0	0	58	4
3	5580	1	0	0	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	651	1	1	0	0	1
24	0	5278	7	43	3	20	0	2	67	23	0	5	47	1	14	0	37	168	3	17	0	24	6	0	0	2	0	126	7	0	0	21	2
18	0	13	563	3	5	14	0	2	30	11	0	5	5	1	0	1	2	32	6	0	0	3	1	0	0	17	0	97	6	0	0	3	1
2	0	3	2	5199	2	0	0	4	0	1	0	2	10	0	0	0	0	40	0	0	0	2	0	0	0	0	0	0	1	0	0	7	0
42	0	10	4	24	3604	11	0	1	43	6	0	4	16	0	14	0	16	99	584	3	1	14	5	0	0	2	0	15	8	0	0	28	1
31	0	26	0	17	14	3577	0	3	52	15	0	5	10	0	0	0	1	92	5	1	0	12	1	0	0	0	0	18	4	0	0	12	0
10	17	10	0	0	0	1	533	0	9	481	2	0	1	1	2	0	9	1	0	0	0	0	1	0	0	6	0	16	0	0	2	0	1
22	1	10	0	826	11	8	0	1888	5	18	0	4	9	0	1	0	0	55	4	1	0	10	2	0	0	1	0	4	7	0	0	7	1
11	0	19	1	15	0	3	0	25	7339	3	0	1	22	0	2	0	1	131	2	3	0	10	1	0	0	0	0	11	7	0	0	29	1
32	0	81	5	44	18	18	0	1	77	7486	0	7	49	0	2	0	13	182	5	0	0	24	6	0	0	4	0	26	15	0	0	31	1
2	11	0	1	0	0	0	0	0	59	0	1077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	11	3	12	2	3	0	0	6	9	0	1874	13	0	3	0	1	60	1	5	0	7	0	0	0	2	0	52	6	0	0	4	0
5	0	10	2	21	1	7	0	0	12	4	0	2	5214	0	1	0	0	71	0	2	0	15	20	0	0	4	0	14	3	0	0	28	1
33	0	22	2	1	9	2176	0	5	22	16	0	4	3	1093	1	0	4	89	4	0	0	21	8	0	0	10	0	43	4	0	0	9	0
6	19	340	0	0	0	2	0	0	5	3	1	2	0	0	734	0	3	4	0	0	1	2	2	0	0	1	0	46	0	0	0	1	1
14	9	4	0	0	0	1	0	1	3	1	1	1	0	1	0	198	1	4	3	1	0	1	0	0	0	10	0	30	353	0	0	0	4
16	0	196	5	16	42	17	0	0	38	45	0	7	27	0	5	0	3341	110	169	68	0	13	3	0	0	2	0	8	12	0	0	7	0
8	0	6	1	46	5	2	0	1	24	12	0	3	55	0	3	0	0	25122	1	0	0	7	1	0	0	0	0	9	10	0	0	53	0
83	0	52	7	28	3162	22	0	1	68	18	0	8	40	0	22	0	26	206	3959	20	1	19	2	0	0	0	0	13	29	0	0	29	0
77	39	212	11	0	19	6	2	3	31	15	14	3	7	1	40	1	235	18	434	3252	3	3	1	0	0	14	0	32	12	1	3	3	9
187	9	16	4	0	4	2	4	2	3	1	7	0	1	0	35	2	1	2	7	19	769	0	0	0	0	15	0	3	1	32	0	0	0
4	0	1	0	9	10	2	0	0	19	10	0	2	0	0	1	0	0	85	0	0	0	5488	3	0	0	0	0	9	2	0	0	58	0
4	0	4	0	3	1	3	0	3	7	9	0	2	1953	2	0	0	0	85	0	1	0	15	1617	0	0	3	0	23	1	0	0	10	1
1	1	4	0	0	1	0	16	0	3	414	0	0	0	0	0	0	40	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
36	2	1	3	5	0	0	0	2	18	0	0	0	0	1	0	8	0	0	3	1	1	0	0	0	0	2	0	7	36	1	0	0	0
182	0	44	8	9	17	35	0	14	115	57	0	9	77	15	3	0	16	245	2	5	0	29	146	0	0	5861	0	363	37	0	0	35	5
90	2	4	0	0	0	0	0	0	0	0	1	39	0	0	4	0	0	0	0	8	1	0	0	0	0	3	0	1	0	8	0	0	1
93	0	33	0	1	7	23	0	32	42	44	0	12	5	21	3	0	16	4375	21	0	0	67	37	0	0	34	0	8082	29	0	1	18	1
8	0	8	2	19	6	3	0	0	23	9	0	4	18	0	2	0	1	70	1	2	0	4	2	0	0	0	0	6	2993	0	0	10	12
42	485	4	1	0	0	0	2	0	2	0	4	1	0	0	14	1	0	0	0	4	0	0	0	0	0	13	0	39	1	1795	6	0	2
2	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	378	0	1
0	0	0	0	7	3	0	0	0	17	1	0	1	1	0	0	0	0	83	0	0	0	21	5	0	0	0	0	2	3	0	0	6389	0
0	2	0	0	0	0	0	0	0	2	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	484

0.8242544054985046

Kernel: (16, 2), Adamax, cosine_proximity

8556	0	99	14	99	70	65	4	1	98	99	0	12	100	0	16	0	33	288	47	13	1	43	2	0	0	14	0	13	36	0	0	65	1
2	5899	1	5	0	0	0	0	0	1	5	1	2	0	0	0	0	0	0	2	1	0	0	1	0	0	17	0	309	1	2	3	0	1
31	0	5365	25	52	8	21	0	0	31	30	0	7	51	1	16	0	72	132	9	19	0	20	2	0	0	1	0	25	7	0	0	21	1
10	0	8	716	4	7	9	0	2	6	13	0	6	5	1	0	0	1	25	3	0	1	3	0	0	0	4	0	8	2	0	0	5	0
1	0	1	2	5233	0	1	0	1	0	1	0	2	10	0	0	0	0	17	0	0	0	1	0	0	0	0	0	0	1	0	0	4	0
9	0	6	7	31	3662	10	0	1	15	5	0	4	17	0	11	0	18	73	636	0	3	9	2	0	0	1	1	2	2	0	0	30	0
16	0	23	1	25	12	3633	0	0	23	27	0	5	14	3	0	0	2	77	9	1	0	8	1	0	0	1	0	3	3	0	0	9	0
0	10	2	4	0	0	0	652	0	1	401	4	0	1	1	1	0	14	0	1	0	0	0	0	0	0	3	0	4	0	0	3	0	1
17	1	5	2	1557	9	8	0	1170	9	19	0	2	9	0	2	0	2	50	6	1	0	6	1	0	5	2	0	2	3	0	0	7	0
20	0	24	14	26	10	10	0	8	7240	23	1	2	31	0	2	0	6	124	14	6	0	13	1	0	0	3	0	9	9	0	0	41	0
10	0	26	8	45	14	9	2	0	21	7720	0	8	42	0	0	0	27	132	18	0	0	7	0	0	0	2	1	1	5	0	0	29	0
0	15	0	2	2	0	0	1	0	22	1	1105	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5	0	6	5	14	2	5	0	0	2	11	0	1954	18	0	3	0	0	40	4	2	0	1	0	0	0	0	0	4	3	0	0	6	0
1	0	9	3	23	1	5	1	0	4	6	0	1	5305	0	0	0	0	35	1	1	0	10	6	0	0	0	0	2	2	0	0	21	0
22	0	14	9	3	6	1657	1	4	11	25	0	3	6	1676	0	0	7	71	11	0	1	20	7	0	0	10	0	4	3	0	0	8	0
5	15	255	13	0	3	1	3	0	1	7	0	2	0	0	833	0	7	2	1	0	1	1	0	0	0	6	0	15	0	1	0	1	0
8	10	5	23	0	4	1	0	0	2	4	1	4	2	1	0	250	4	3	5	1	1	1	0	0	1	7	0	16	285	0	0	0	2
3	0	53	6	15	35	9	0	0	16	23	0	8	27	0	3	0	3591	63	223	42	3	6	1	0	0	1	0	2	8	0	0	9	0
14	0	19	6	79	9	13	0	0	25	25	0	6	109	0	3	0	8	24941	9	4	0	9	3	0	0	0	0	4	11	0	0	72	0
23	0	30	11	38	2980	13	0	1	12	11	0	8	44	0	13	0	36	135	4397	12	2	6	2	0	0	1	0	0	4	0	0	36	0
28	29	109	21	3	19	3	1	3	10	15	11	5	7	1	22	0	332	14	615	3208	13	2	1	0	0	8	1	7	4	0	3	3	3
30	9	0	11	0	3	2	4	2	3	2	2	1	2	1	12	0	1	3	15	12	978	0	0	0	1	10	3	1	0	18	0	0	0
6	0	1	0	11	16	3	0	1	13	32	0	3	0	0	2	0	1	77	0	0	0	5406	3	0	0	0	0	2	1	0	0	125	0
3	0	3	2	3	2	4	0	3	4	11	0	2	2394	1	0	0	2	46	0	0	0	15	1230	0	0	6	0	7	2	0	0	7	0
0	1	1	0	0	0	0	4	0	0	424	1	0	0	0	0	0	0	47	0	2	0	5	0	0	0	0	0	0	0	0	0	0	0
13	2	1	5	15	0	0	0	1	2	0	1	0	0	0	0	2	0	0	2	1	5	0	0	0	64	1	0	3	9	0	0	0	0
138	2	57	174	29	24	38	2	9	66	92	0	28	271	13	1	0	25	209	13	2	3	26	257	0	0	5682	1	99	23	0	0	41	4
6	1	0	0	0	0	0	1	0	0	0	0	11	0	1	0	0	0	0	0	2	2	0	0	0	0	1	133	0	0	3	0	0	1
144	0	86	136	17	14	41	0	29	36	87	0	54	24	41	4	0	39	5201	69	0	4	84	43	0	0	88	0	6694	26	0	0	35	1
7	0	4	3	33	17	10	0	0	17	17	0	5	30	0	4	0	3	73	5	2	0	4	1	0	0	0	0	1	2950	0	0	12	5
21	319	2	8	0	0	0	6	0	2	0	4	2	0	1	13	1	0	0	0	10	4	0	0	0	0	19	0	6	1	1994	1	0	2
0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	384	0	0
1	0	1	1	8	1	0	0	0	5	1	0	1	5	0	0	0	0	52	0	0	0	6	10	0	0	2	0	3	0	0	0	6436	0
0	4	1	0	0	0	0	0	0	2	1	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	472

0.8254460871219635

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

8579	0	99	2	99	58	92	0	2	175	33	0	10	74	0	2	0	49	271	30	8	0	37	3	0	0	24	0	26	59	0	0	57	0
1	6025	2	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	16	0	202	0	0	0	0	1
34	0	5367	3	47	4	31	1	0	54	4	0	5	43	0	2	0	113	131	3	14	0	17	2	0	0	3	0	31	17	0	0	21	0
15	2	27	616	4	5	16	0	0	22	6	0	15	4	1	0	0	8	23	5	0	0	3	1	0	0	16	0	41	5	0	0	4	0
0	0	0	2	5251	0	0	0	0	1	0	0	1	6	0	0	0	0	11	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0
15	0	15	1	35	3726	16	0	0	36	1	0	5	18	0	5	0	36	79	507	0	0	14	4	0	0	6	0	5	8	0	0	23	0
11	0	23	0	20	7	3676	0	0	39	3	0	3	11	0	0	0	2	71	6	0	0	7	1	0	0	0	0	3	4	0	0	9	0
15	22	21	1	0	0	2	603	0	3	312	7	1	2	1	1	2	74	0	2	0	2	0	1	5	0	10	0	11	0	0	4	0	1
14	3	8	0	1641	5	10	0	1081	30	6	0	1	9	0	0	0	5	42	5	1	0	7	1	0	4	6	0	3	7	0	0	6	0
9	0	11	1	20	2	4	0	3	7463	0	0	1	12	0	0	0	5	60	3	1	0	7	0	0	0	1	0	5	6	0	0	23	0
63	0	247	20	81	18	69	1	1	148	6761	0	21	130	0	0	0	232	178	26	0	1	13	9	0	0	16	0	18	33	0	0	41	0
0	11	1	1	1	0	0	0	0	48	0	1081	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1
7	0	14	5	16	2	8	0	0	6	3	0	1928	18	0	1	0	4	34	2	1	0	5	1	0	0	3	1	16	6	0	0	4	0
3	1	14	2	24	1	8	0	0	18	0	0	1	5271	0	0	0	2	40	1	1	0	5	12	0	0	1	0	2	6	0	0	24	0
19	0	20	1	1	7	2363	0	4	22	10	0	3	2	995	0	0	10	61	6	0	0	13	9	0	0	12	0	9	6	0	0	6	0
11	18	424	2	0	0	1	1	0	7	2	0	2	1	0	657	0	12	3	0	2	1	0	1	1	0	12	0	15	0	0	0	0	0
10	8	4	2	0	3	0	0	0	2	1	0	0	0	0	0	373	4	2	2	0	0	1	0	0	1	6	0	13	208	0	0	0	1
5	0	49	3	16	21	15	0	0	24	3	0	7	23	0	1	0	3777	55	89	29	0	5	2	0	0	0	0	3	13	0	0	7	0
16	0	35	5	97	5	13	0	0	97	6	0	13	94	0	1	0	9	24860	4	3	0	9	2	0	1	0	0	20	26	0	0	53	0
34	0	34	4	47	3044	24	0	1	54	4	0	9	41	0	6	1	100	146	4196	2	1	16	3	0	0	1	0	2	17	0	0	28	0
38	46	117	8	3	16	8	0	2	25	4	11	3	7	0	12	1	1021	12	306	2792	17	2	1	3	0	19	1	8	9	0	3	3	3
52	15	8	2	0	2	4	2	2	6	0	2	1	1	0	3	3	5	2	9	12	930	0	0	3	0	42	0	3	3	13	1	0	0
12	0	7	0	13	9	8	0	0	26	24	0	2	1	0	1	0	1	86	0	0	0	5365	8	0	0	0	0	9	5	0	0	126	0
3	1	5	0	3	3	4	0	1	10	1	0	2	1962	1	0	1	3	51	0	0	0	9	1666	0	0	3	0	8	4	0	0	6	0
0	1	1	0	0	0	0	0	0	0	8	0	0	0	0	0	0	4	0	0	0	0	0	0	470	0	1	0	0	0	0	0	0	0
7	1	3	2	10	0	0	0	2	3	0	0	0	0	0	0	0	12	0	0	1	0	1	0	0	0	70	2	0	3	9	1	0	0
107	3	74	8	16	13	40	0	7	82	34	0	9	154	8	0	1	33	184	3	1	0	21	188	0	1	6206	0	96	15	0	0	25	0
6	5	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	1	0	0	1	2	0	0	0	0	1	136	0	1	1	0	0	0
141	0	105	7	12	14	46	0	25	54	34	0	23	15	33	1	0	49	2929	38	0	1	63	43	0	2	125	0	9173	43	0	0	21	0
6	0	4	1	20	9	9	0	0	27	3	0	6	16	0	3	6	3	48	5	1	0	2	1	0	0	0	0	1	3022	0	0	7	3
22	1242	4	1	0	0	0	2	0	2	0	3	0	0	0	4	2	1	0	0	10	1	0	0	0	0	42	1	4	1	1067	5	0	2
0	6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	379	0	0
0	0	1	2	12	2	0	0	0	19	0	0	1	3	0	0	0	2	69	0	0	0	5	13	0	0	3	0	3	4	0	0	6394	0
0	3	3	0	0	0	0	0	0	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	475

0.8311942458152771

Kernel: (16, 2), Nadam, categorical_hinge

8500	0	158	0	66	74	131	0	4	227	51	0	8	45	7	11	1	26	250	31	20	4	36	1	5	0	18	0	13	42	0	0	59	1
8	5830	11	0	0	0	0	0	3	13	1	0	1	0	2	3	1	0	0	2	0	0	0	0	0	0	38	0	301	3	36	0	0	0
24	1	5439	0	41	8	28	0	2	65	15	0	3	24	3	28	0	63	110	1	28	1	19	1	5	0	1	0	5	8	0	0	23	1
28	1	163	0	6	9	144	9	0	191	9	0	15	4	30	1	1	3	22	22	2	10	0	1	0	0	74	0	85	3	0	0	5	1
2	0	4	0	5229	2	0	0	3	1	0	0	2	3	0	0	0	0	22	0	0	1	2	0	0	0	0	0	0	1	0	0	3	0
17	0	12	0	21	3889	20	0	0	41	2	0	5	12	0	11	1	14	54	401	2	20	6	1	1	0	4	0	2	3	0	0	16	0
10	0	19	0	17	12	3686	0	1	49	4	0	4	4	10	0	0	0	54	1	2	0	8	0	2	0	0	0	2	2	0	0	9	0
3	17	18	0	0	0	1	0	1	13	362	0	3	0	8	2	0	13	0	3	0	1	0	0	432	0	15	0	3	1	0	0	0	207
10	2	12	0	961	14	11	0	1790	17	10	0	1	2	3	1	0	0	39	1	2	0	5	1	0	0	1	0	2	3	0	0	7	0
11	0	29	0	16	1	2	0	15	7461	3	0	0	7	0	0	0	4	58	2	3	0	4	0	0	0	0	0	1	2	0	0	18	0
51	0	82	0	54	20	80	0	1	163	7188	0	11	30	4	3	0	46	133	25	0	0	18	0	131	0	11	0	6	27	0	0	34	9
0	7	0	0	1	0	0	0	46	1093	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0
12	0	21	0	16	2	6	0	0	11	8	0	1920	12	1	3	1	1	34	2	5	1	5	0	0	0	4	0	7	8	0	0	5	0
23	0	40	0	31	2	15	0	0	39	5	0	3	5092	4	1	0	2	51	4	7	4	6	32	0	0	24	0	5	10	0	0	37	0
10	0	21	0	1	3	1047	0	3	22	10	0	1	1	2374	0	0	3	37	2	0	1	14	7	1	0	8	0	4	3	0	0	6	0
4	12	336	0	0	3	1	0	0	9	1	0	1	0	3	771	0	5	3	1	7	1	0	1	5	0	2	0	4	0	2	0	0	1
6	3	7	0	0	1	3	0	0	9	1	0	2	0	0	0	417	2	2	3	1	0	0	0	0	0	3	0	13	168	0	0	0	0
8	0	113	0	12	67	23	0	0	41	15	0	6	18	0	3	0	3519	47	179	48	3	8	3	10	0	3	0	2	9	0	0	8	2
26	0	54	0	72	29	45	0	0	142	22	0	12	81	3	6	0	12	24710	22	14	2	15	8	0	0	3	0	17	17	0	0	57	0
47	0	63	0	23	4064	49	0	0	100	9	0	9	22	1	14	5	31	108	3164	16	26	8	1	4	0	1	0	2	17	0	0	30	1
41	33	192	0	1	26	15	0	4	48	10	0	5	4	11	17	4	309	9	619	3056	51	2	0	13	0	9	0	3	14	1	0	3	1
23	7	11	0	0	2	8	0	3	9	0	0	0	1	2	4	2	1	1	3	2	1008	0	0	3	0	10	0	1	0	23	0	0	2
8	0	13	0	12	44	3	0	0	35	15	0	2	0	0	1	0	0	78	0	0	0	5316	1	0	0	3	0	10	1	0	0	161	0
20	0	26	0	5	3	9	1	3	20	12	0	2	1587	10	0	2	3	52	0	1	1	12	1903	0	0	40	0	11	9	0	0	15	0
0	1	1	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	463	0	0	0	0	0	0	0	0	1
16	1	3	0	8	1	3	0	3	32	0	0	1	0	0	0	27	0	1	1	1	11	0	0	1	0	1	0	3	13	0	0	0	0
150	1	120	0	14	22	54	0	11	141	48	0	15	23	42	3	8	22	174	12	6	55	16	99	3	0	6183	0	45	24	0	0	34	4
61	3	8	0	0	0	0	0	1	0	0	0	47	0	6	1	0	0	0	0	6	15	0	0	0	0	4	0	0	1	9	0	0	0
251	0	316	0	5	29	90	0	50	252	57	0	47	5	120	8	6	33	2814	120	12	8	63	56	0	0	176	0	8419	35	0	0	25	0
4	0	16	0	23	9	12	0	0	49	2	0	4	10	0	6	4	1	58	3	2	0	5	1	0	0	0	0	0	2984	0	0	10	0
16	172	14	0	0	0	0	0	0	6	0	0	0	0	2	9	1	0	0	0	6	12	0	0	0	0	18	0	1	2	2156	0	0	1
49	7	27	0	0	0	0	0	1	3	0	0	0	0	16	2	2	0	0	2	1	0	0	0	158	0	16	0	1	0	5	0	0	97
1	0	5	0	10	6	0	0	0	26	1	0	1	1	0	0	0	0	89	0	0	0	5	6	0	0	3	0	3	4	0	0	6372	0
0	7	20	0	0	0	0	0	1	6	1	0	0	0	2	167	1	0	0	0	0	2	1	0	0	0	3	0	0	277	3	0	0	0

0.8210489451885223

Kernel: (16, 2), Nadam, logcosh

8604	0	103	4	59	77	58	0	7	182	25	0	6	63	1	3	0	26	250	12	12	0	46	1	0	0	6	0	11	165	0	0	67	1
1	6040	1	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5	0	197	1	1	0	0	1
40	0	5278	8	49	9	18	0	6	83	6	0	5	53	1	15	0	87	117	2	47	0	17	5	0	0	3	0	38	29	0	0	30	1
16	0	9	661	3	8	9	0	3	20	8	0	1	7	1	1	0	1	22	1	0	0	3	0	0	0	6	0	30	22	1	0	6	0
2	0	1	2	5232	1	1	0	0	2	0	0	1	11	0	0	0	1	7	0	0	0	1	0	0	0	0	0	0	7	0	0	6	0
13	0	10	3	19	4165	14	0	1	37	3	0	4	13	0	9	0	14	55	122	5	0	12	0	0	0	1	0	2	24	0	0	29	0
21	0	26	0	18	14	3602	0	6	58	6	0	3	14	3	0	0	2	69	3	1	0	8	1	0	0	0	0	9	20	0	0	12	0
8	21	10	3	0	2	1	830	3	3	160	5	1	1	1	2	2	24	0	0	2	1	0	1	0	0	1	0	11	3	1	5	0	1
17	1	1	0	803	12	3	0	1980	14	3	0	1	6	0	0	0	1	20	2	1	0	4	1	0	0	1	0	1	14	0	0	8	1
10	0	2	2	16	3	2	0	16	7466	0	0	1	24	0	0	0	3	30	1	2	0	4	0	0	0	1	0	1	20	0	0	33	0
92	0	200	11	60	37	35	1	10	251	6746	0	14	82	0	6	1	143	160	13	1	1	19	4	0	0	9	1	17	163	0	0	50	0
0	13	0	2	1	0	0	1	2	71	0	1059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
11	0	13	7	16	5	5	0	0	15	5	0	1884	16	0	2	0	2	46	2	5	0	4	0	0	0	3	0	25	11	0	0	8	0
7	0	10	2	20	1	5	0	0	17	2	0	1	5245	0	0	0	1	52	1	1	0	11	1	0	0	3	0	5	14	0	0	38	0
26	1	15	3	2	10	1516	0	10	22	12	0	3	6	1801	0	0	9	61	2	0	1	19	8	0	0	14	0	16	11	0	0	11	0
10	19	332	2	0	2	1	1	0	9	2	0	3	0	0	751	0	6	0	0	4	0	3	0	0	0	5	0	16	3	2	0	2	0
3	8	2	1	0	2	0	0	0	1	0	1	0	0	0	0	327	2	2	1	2	0	1	0	0	0	2	0	6	278	0	0	0	2
9	0	63	3	12	91	14	0	0	34	9	0	7	23	0	2	0	3613	57	64	99	0	3	1	0	0	2	0	3	30	0	0	8	0
25	0	26	5	104	25	18	0	0	173	9	0	4	73	0	2	0	8	24624	8	7	0	14	1	0	0	0	0	20	92	0	0	131	0
40	0	43	7	21	5547	16	0	2	69	5	0	6	31	0	10	0	41	119	1745	24	1	14	1	0	0	1	0	1	41	0	1	29	0
43	49	108	10	0	30	4	0	3	24	6	15	2	6	1	17	4	367	12	205	3528	10	2	0	0	0	10	0	8	25	2	3	3	4
61	10	4	3	0	5	2	5	3	4	0	5	0	1	0	32	6	2	1	4	22	877	0	0	0	0	11	1	2	3	61	1	0	0
5	0	1	0	8	12	5	0	7	23	12	0	2	0	0	1	0	1	61	0	0	0	5288	1	0	0	0	0	1	11	0	0	264	0
6	0	1	0	3	3	3	0	6	10	2	0	2	2453	1	0	1	3	61	0	0	0	17	1120	0	0	8	0	10	9	0	0	27	1
2	2	1	0	0	1	0	53	0	1	195	3	0	0	0	0	0	0	141	0	0	0	84	0	0	0	0	0	0	2	0	0	0	0
28	2	2	2	11	0	0	0	4	10	0	0	0	0	0	0	18	1	1	3	2	2	0	0	0	0	0	0	5	36	0	0	0	0
201	2	63	27	16	37	27	1	17	107	37	0	12	233	14	2	1	26	194	6	4	0	32	141	0	0	5805	0	144	113	0	0	65	2
11	3	0	0	0	0	0	0	1	0	0	0	4	0	0	0	2	0	0	0	1	1	0	0	0	0	0	135	1	0	3	0	0	0
179	0	72	8	7	37	35	0	59	100	33	0	13	14	38	3	0	39	2949	33	0	1	82	34	0	0	74	0	9019	116	0	1	50	1
2	0	1	1	7	1	1	0	0	14	0	0	3	9	0	2	1	0	20	0	1	0	1	1	0	0	0	0	0	3126	0	0	6	6
6	400	2	0	0	0	0	2	0	2	0	3	0	0	0	2	1	0	0	0	7	0	0	0	0	0	1	0	2	2	1982	2	0	2
0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	381	0	0
0	0	0	2	5	3	0	0	0	11	0	0	0	1	0	0	0	0	22	0	0	0	4	0	0	0	0	0	1	8	0	0	6476	0
0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	483

0.8276382863521576

ARat_2017_04_05__0_002.dat

Kernel: (4, 2), RMSprop, mean_squared_error

3189	28	25	18	25	8	8	191	25	5	114	4	7	19	127	29	27	0	0	9	32	14	41	1	29	244	10	26	19	21	1	11	0
3	5518	5	15	19	4	2	26	23	2	29	0	3	4	25	4	3	0	0	5	9	27	17	0	6	96	6	0	2	6	0	28	0
0	1	4500	4	2	2	0	6	5	0	8	0	1	2	1	1	0	0	0	3	1	10	0	0	2	11	5	0	1	0	0	6	0
1	19	3	4928	9	378	0	11	7	0	30	0	3	1	15	4	1	0	0	6	0	21	23	0	1	43	4	2	0	7	0	6	0
12	58	34	50	10648	27	9	94	44	9	73	1	11	13	123	15	10	0	0	45	31	70	54	0	25	295	7	16	10	33	0	25	3
0	16	8	1298	7	1541	0	3	6	1	34	0	0	1	4	2	0	0	0	2	2	16	17	0	0	29	3	0	2	4	0	3	0
3	12	6	21	13	8	4017	11	10	1	50	2	4	5	28	18	15	0	0	3	57	160	19	0	6	50	7	1	30	10	1	0	5
11	85	31	59	70	26	8	9400	61	7	192	2	7	55	266	39	45	0	0	30	88	69	99	0	28	825	38	10	26	60	0	20	0
0	7	4	12	9	7	0	8	5625	3	10	0	5	3	7	1	0	0	0	3	2	23	7	0	4	221	3	0	1	4	0	10	0
0	1	0	0	23	1	0	0	1	1214	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	5	0
1	23	19	19	26	32	8	26	14	3	10284	0	8	3	26	7	4	0	0	28	12	74	54	0	9	122	3	1	1	7	1	14	0
4	23	11	13	21	6	11	33	23	1	35	1258	4	45	28	11	11	0	0	2482	25	19	21	0	8	66	1	9	13	10	0	0	0
1	5	17	4	2	4	1	18	15	6	11	0	5145	0	10	3	1	0	0	8	6	13	7	0	0	40	4	2	4	0	1	93	0
4	19	2	16	21	4	3	41	14	0	32	7	3	3029	26	11	5	0	0	58	17	15	17	0	11	122	6	1	1	10	4	9	0
6	60	32	59	37	22	10	167	67	3	168	0	16	24	9197	16	15	0	0	45	39	70	56	0	35	530	17	9	44	39	2	24	1
2	28	7	20	9	6	1	8	17	3	34	0	4	12	16	3867	3	0	0	8	4	26	16	0	2	157	10	5	2	12	0	6	0
1	22	23	48	28	7	7	58	45	1	37	2	9	27	44	19	5035	0	0	4	15	35	38	0	16	69	155	7	9	14	0	10	0
1	0	0	0	2	0	1	6	0	0	8	1	0	1	7	0	0	1125	3	0	1	0	1	2	0	1	0	192	8	0	30	1	1
10	1	0	0	1	1	4	28	1	0	6	4	0	86	20	2	10	5	1649	0	1	0	3	0	4	3	0	3	19	0	50	1	0
5	8	8	21	13	4	4	22	16	5	41	26	7	10	33	1	3	0	0	4541	6	50	11	0	5	72	1	7	1	4	4	16	0
4	17	8	32	36	17	13	28	19	2	71	1	5	6	26	24	10	0	0	11	7096	2096	62	0	5	77	11	4	13	16	1	5	1
0	8	9	13	10	10	37	5	8	8	23	0	9	2	9	1	3	0	0	6	987	5669	22	0	5	58	6	1	2	3	0	28	0
0	29	30	16	30	10	1	17	13	2	68	0	12	9	20	9	3	0	0	18	12	64	7173	0	14	160	15	3	3	8	0	14	0
5	4	0	1	1	2	4	8	3	0	3	2	0	2	6	567	20	0	1	0	0	0	0	565	0	7	0	2	1	1	16	0	0
3	15	8	7	23	7	7	23	15	6	39	1	17	4	9	12	7	0	0	15	7	39	24	0	4921	102	3	0	3	9	0	11	0
3	27	8	44	26	12	2	33	115	3	63	0	5	11	26	6	10	0	0	23	11	71	50	0	5	7528	7	7	4	15	0	18	0
0	1	5	3	1	1	0	2	5	2	8	0	1	2	3	1	1	0	0	0	1	9	7	0	2	22	1488	1	0	1	0	4	0
2	9	12	43	11	2	2	62	25	2	46	3	4	16	64	3	3	0	0	5	5	8	19	0	7	170	4	1952	12	6	1	11	0
18	96	34	87	102	36	19	202	119	10	255	1	22	42	320	41	48	0	0	62	48	84	112	0	39	983	35	32	13050	29	0	21	18
6	49	10	33	28	3	1	49	17	4	62	0	6	32	42	11	10	0	0	18	50	71	44	0	9	172	11	3	1	5795	1	20	36
46	9	3	44	1039	17	49	159	29	3	76	12	7	21	257	48	47	0	1	1	33	0	34	0	25	101	2	47	204	15	12693	8	33
6	101	6	24	21	6	1	48	26	8	52	1	8	11	56	10	10	0	0	13	26	20	25	0	16	258	14	6	10	30	1	2981	0
0	9	1	6	6	4	0	8	3	0	14	1	0	6	2	4	6	0	0	2	4	0	6	0	5	15	0	2	3	702	0	0	620

0.8459375198870561

Kernel: (4, 2), RMSprop, mean_squared_logarithmic_error

3326	30	14	23	55	10	5	120	36	6	67	11	19	34	100	27	25	0	0	14	40	13	38	1	44	106	5	18	23	15	0	82	0
2	5510	3	24	37	7	0	15	28	2	24	1	9	6	22	2	2	0	0	12	8	24	15	0	7	39	1	0	3	2	0	82	0
0	1	4436	8	16	8	0	7	13	0	10	0	12	3	3	2	0	0	0	7	5	8	1	0	4	12	6	1	1	0	0	8	0
1	12	2	4870	19	482	0	2	8	0	20	0	12	1	12	3	1	0	0	6	1	18	23	0	2	14	2	1	0	3	0	8	0
5	21	12	24	11441	21	3	11	35	6	28	5	22	1	19	4	3	0	0	37	12	30	25	0	18	23	2	1	0	9	0	27	0
0	12	4	1187	15	1704	0	0	7	1	13	0	2	1	4	1	0	0	0	2	2	12	15	0	0	8	1	0	2	3	0	3	0
7	18	7	46	76	9	3470	13	40	5	62	14	7	4	53	26	17	0	0	5	189	316	37	0	21	44	6	5	63	9	0	3	1
19	98	25	105	196	37	2	9061	135	9	194	11	40	109	375	36	45	0	0	52	114	71	100	0	50	516	31	7	55	52	0	112	0
0	6	2	13	13	8	0	5	5760	6	7	2	14	4	5	2	0	0	0	3	2	15	6	0	6	79	2	0	2	3	0	14	0
0	1	0	0	22	1	0	0	0	1218	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	4	0
2	27	16	29	68	40	1	23	34	3	10189	3	24	8	34	7	5	0	0	48	15	68	61	0	20	75	0	1	1	4	0	23	0
2	19	3	12	33	6	1	9	24	1	18	1978	13	10	9	5	6	0	0	1961	25	14	15	0	7	7	1	0	3	7	0	3	0
0	2	0	2	1	1	0	4	5	4	1	0	5366	0	1	1	0	0	0	4	2	1	4	0	0	2	0	0	0	0	0	20	0
4	15	2	22	55	4	1	17	21	1	23	37	13	3037	23	10	2	0	0	94	21	8	13	0	11	39	5	2	1	6	1	20	0
7	58	23	95	114	24	3	118	134	4	151	4	79	32	9147	16	12	0	0	56	59	66	56	0	63	295	16	12	50	30	0	86	0
3	28	6	29	37	10	0	9	31	3	31	0	11	16	16	3838	3	0	0	14	8	29	17	0	13	96	7	4	2	12	0	12	0
2	24	12	91	60	10	0	51	71	2	35	5	26	32	57	22	4971	0	0	11	19	33	38	0	26	34	72	5	17	12	0	47	0
2	0	0	1	3	0	0	2	0	0	7	1	1	1	8	0	0	1182	4	0	2	0	1	1	0	1	0	144	9	0	21	1	0
7	2	0	0	4	1	3	10	1	0	1	8	0	43	10	2	8	2	1763	0	0	0	2	0	3	0	0	1	10	0	28	3	0
2	6	5	19	21	3	2	5	18	7	20	159	19	4	9	1	2	0	0	4565	6	28	8	0	3	14	0	0	1	2	0	16	0
4	20	7	49	68	21	1	16	25	3	66	3	12	9	26	16	10	0	0	17	7916	1268	63	0	12	33	9	3	13	16	1	10	0
0	11	6	16	30	12	1	4	18	11	24	0	19	1	8	1	4	0	1	21	1869	4798	22	0	7	21	6	1	3	2	0	25	0
2	31	21	25	61	12	0	15	23	2	61	2	25	9	23	9	3	0	0	31	14	63	7147	0	21	93	12	3	4	5	0	36	0
8	1	0	2	5	2	4	7	3	0	2	4	1	1	6	614	22	1	2	0	0	0	1	507	3	3	0	2	2	1	6	11	0
1	12	4	5	41	7	3	16	16	3	19	1	27	3	7	9	2	0	0	16	10	32	17	0	5045	29	1	0	2	2	0	7	0
6	34	7	69	78	18	1	37	443	3	90	1	21	21	51	7	9	0	0	43	23	74	60	0	20	6927	8	6	7	21	0	48	0
0	2	5	11	2	4	0	2	7	2	11	0	5	5	4	3	2	0	0	2	1	13	7	0	4	16	1455	0	0	1	0	7	0
3	9	9	95	32	3	1	46	41	2	43	3	12	18	69	4	4	0	0	8	11	8	18	0	19	91	4	1891	18	6	0	41	0
19	87	26	153	191	43	6	100	200	10	203	7	93	58	328	36	40	0	0	75	62	81	105	0	58	400	19	25	13395	31	0	113	1
5	54	8	53	63	7	0	49	37	4	62	4	18	43	51	13	14	0	1	29	106	66	47	0	26	99	6	3	5	5671	0	47	3
55	8	1	41	6136	22	25	65	40	6	60	15	22	16	145	34	35	1	3	2	49	0	22	0	41	26	2	39	237	17	7850	35	13
1	27	3	16	22	4	0	11	16	7	28	0	55	6	11	7	4	0	0	11	22	19	11	0	14	38	2	0	3	5	0	3452	0
3	10	1	5	14	7	0	14	4	0	16	2	0	8	4	6	7	0	0	2	5	0	6	0	12	13	0	4	11	1148	0	7	120

0.8245160624434852

Kernel: (4, 2), Adamax, cosine_proximity

3813	20	16	9	17	10	10	74	13	2	21	4	10	4	51	19	29	0	0	8	17	15	24	1	21	37	3	15	18	14	0	12	0
9	5599	3	12	24	18	2	23	9	1	13	1	3	1	25	2	4	0	0	6	4	31	22	0	3	18	0	0	2	6	0	46	0
2	2	4500	3	2	8	1	8	3	0	6	0	10	1	2	1	0	0	0	4	0	10	0	0	2	2	2	0	1	0	0	2	0
3	14	2	3852	14	1488	0	8	7	0	13	0	12	0	12	2	1	0	0	15	0	36	21	0	2	8	1	2	0	8	0	2	0
41	53	29	29	10982	45	9	68	47	9	39	5	25	3	77	10	22	0	0	50	14	78	50	0	28	59	1	9	12	31	0	20	0
0	8	5	494	11	2408	0	2	4	1	5	0	2	1	5	0	1	0	0	3	2	18	13	0	0	4	1	0	3	6	0	2	0
10	10	4	10	13	11	4058	10	7	1	23	6	6	0	22	8	18	0	0	3	49	229	14	0	7	8	2	1	37	5	1	0	0
50	93	30	56	91	49	10	9876	72	8	104	3	20	21	282	25	61	0	0	52	82	105	93	0	39	262	15	11	48	61	0	38	0
0	14	7	16	11	12	0	15	5678	6	11	1	22	2	11	3	6	0	0	9	1	35	9	0	7	84	1	0	5	9	0	4	0
0	1	0	0	29	1	1	0	0	1203	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	8	0	0
27	56	20	27	53	68	10	64	22	3	9927	2	24	3	92	9	11	0	0	49	7	101	77	0	23	91	1	8	14	20	1	19	0
11	18	7	5	18	7	8	21	12	1	15	1080	6	1	15	5	10	0	0	2849	17	28	16	0	10	6	1	6	9	8	0	2	0
1	3	10	2	0	4	0	5	1	5	3	0	5271	0	8	2	1	0	0	6	5	5	5	0	0	5	0	1	4	0	1	73	0
45	32	8	20	24	11	4	80	24	0	30	36	10	2617	82	12	24	0	1	213	14	22	21	0	18	74	4	14	12	29	5	22	0
44	61	33	58	58	39	18	169	75	3	104	0	46	13	9404	11	23	0	0	60	32	96	55	0	52	173	11	16	80	41	1	33	1
7	37	7	21	18	16	1	22	24	3	25	1	11	9	27	3810	7	0	0	17	6	53	21	0	12	89	4	5	12	14	0	6	0
2	18	15	22	24	17	5	52	33	1	19	0	19	4	40	8	5351	0	0	9	10	36	29	0	10	14	18	5	8	8	0	8	0
12	0	0	0	3	0	1	5	0	0	7	2	1	0	6	0	0	1142	3	0	2	0	1	2	0	1	0	164	13	0	25	1	1
45	2	0	1	1	2	5	22	1	0	4	15	0	37	15	1	13	3	1634	4	1	0	2	1	9	1	0	9	28	0	55	1	0
7	9	5	8	12	12	5	10	10	2	14	24	23	1	12	0	3	0	0	4704	4	43	10	0	2	10	0	2	2	4	4	3	0
17	17	8	22	43	23	18	24	13	2	45	2	11	3	27	17	16	0	0	12	5872	3388	65	0	6	9	4	3	25	19	1	5	0
1	11	9	9	14	11	41	5	6	8	10	0	30	0	5	1	4	0	0	12	531	6186	23	0	5	3	1	1	4	1	0	10	0
9	39	28	12	36	26	3	32	17	2	32	0	21	4	29	8	5	0	0	25	9	70	7228	0	16	61	6	4	11	7	0	13	0
16	4	0	1	2	4	5	7	2	0	1	3	0	1	5	377	24	0	1	0	1	0	0	740	3	3	0	2	7	2	6	4	0
6	19	8	6	28	12	5	21	13	4	16	1	30	2	8	9	12	0	0	20	7	50	21	0	5006	19	1	0	3	7	0	3	0
21	43	11	63	58	40	6	84	290	3	82	2	29	13	119	6	26	0	0	59	20	110	68	0	23	6828	8	13	37	41	0	30	0
2	5	7	13	3	5	0	8	10	2	11	0	8	3	8	2	15	0	0	4	0	22	12	0	4	26	1386	2	0	4	0	9	0
13	12	10	41	15	6	2	66	23	3	27	3	8	5	90	3	7	0	0	8	7	13	19	0	15	62	2	2003	22	8	1	15	0
53	90	28	59	104	57	18	189	100	9	115	2	45	20	214	26	62	0	0	71	26	103	88	0	39	154	14	14	14205	28	0	26	6
17	50	9	27	35	14	1	57	18	3	32	1	13	11	43	10	25	0	0	31	50	107	47	0	22	43	2	5	6	5874	0	26	15
256	14	2	31	2081	34	52	156	32	9	52	12	16	10	209	29	88	1	1	3	37	0	25	1	56	49	2	47	264	18	11427	25	24
15	64	4	17	20	12	1	31	17	8	24	0	23	5	42	8	13	0	0	17	22	27	19	0	18	41	4	2	9	16	0	3316	0
6	10	1	4	8	8	2	18	3	0	13	2	0	3	3	6	10	0	0	2	6	0	6	0	7	6	0	3	11	967	0	3	321

0.8462410004246435

Kernel: (16, 2), RMSprop, mean_squared_logarithmic_error

3849	4	22	6	12	8	6	58	3	5	20	1	8	1	52	18	18	0	0	5	40	16	47	1	20	17	8	15	18	5	3	21	0
31	4536	8	33	44	20	2	89	10	6	57	1	3	7	116	12	9	0	0	19	80	91	110	0	20	50	10	5	32	8	1	477	0
0	1	4535	1	2	2	0	3	0	1	2	0	3	0	2	0	0	0	0	0	2	4	0	0	0	2	3	0	1	1	0	8	0
3	3	5	4147	11	1184	0	9	1	0	21	0	9	0	17	3	1	0	0	9	2	40	32	0	2	3	4	1	1	7	0	8	0
44	16	40	37	10844	39	5	83	13	28	54	1	19	2	104	11	10	0	0	48	73	95	82	0	32	43	14	9	22	22	2	53	0
3	4	10	620	10	2254	0	3	2	1	15	0	0	0	4	3	0	0	0	2	2	22	25	0	0	1	4	0	4	6	0	4	0
13	5	7	13	14	10	3700	9	2	5	21	2	5	3	21	5	12	0	0	2	148	481	27	0	9	4	6	1	41	1	3	3	0
67	34	38	49	71	36	4	9806	20	9	122	1	21	18	341	27	41	0	1	33	166	131	170	0	44	156	37	11	78	44	5	76	0
1	8	13	23	17	11	0	43	5313	12	32	1	19	4	59	6	9	0	1	15	30	82	28	0	19	152	12	1	21	13	6	28	0
0	1	0	0	6	1	0	0	0	1236	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
34	10	33	17	42	47	6	54	5	5	10063	0	14	1	64	8	5	0	0	36	36	121	104	0	20	31	3	4	17	12	3	34	0
20	10	14	8	22	8	6	33	4	1	25	458	8	6	25	7	13	0	0	3349	35	36	36	0	13	4	3	9	18	6	0	15	0
1	1	11	3	0	1	0	7	1	6	2	0	5246	0	6	1	1	0	0	4	5	9	7	0	0	0	3	0	4	0	1	101	0
55	10	9	23	33	10	0	101	8	2	41	4	7	2577	104	15	16	0	1	133	47	27	59	0	27	44	12	13	28	20	37	45	0
57	21	46	46	51	30	7	162	30	11	119	0	39	11	9388	8	13	0	0	43	122	141	101	0	57	95	18	9	86	23	7	68	1
10	10	7	19	10	12	1	25	8	4	28	0	9	8	40	3835	4	0	0	11	16	81	30	0	12	35	18	7	20	9	0	16	0
3	7	32	34	31	13	3	65	10	1	29	0	22	6	70	15	4997	0	0	7	42	46	59	0	25	6	183	8	25	14	2	30	0
12	0	1	0	1	0	0	2	0	0	6	1	1	1	4	0	0	1257	3	0	2	0	3	1	0	0	0	44	14	0	38	1	0
41	1	0	1	0	2	3	17	0	0	5	1	0	20	20	1	13	4	1667	0	1	0	3	1	6	0	0	2	22	0	79	2	0
9	2	13	11	12	9	4	17	3	12	33	3	13	1	25	1	1	0	0	4617	19	59	16	0	7	11	3	5	5	3	3	28	0
11	2	7	16	24	16	2	13	2	3	24	0	6	1	14	7	5	0	0	6	6759	2691	68	0	6	1	9	1	6	6	2	9	0
0	0	8	7	10	8	5	3	2	12	5	0	10	0	3	1	1	0	0	2	916	5889	21	0	2	1	6	0	1	0	1	28	0
3	5	31	7	21	12	1	15	1	3	22	0	15	1	11	5	3	0	0	14	12	69	7439	0	14	12	10	2	4	4	0	17	0
15	0	0	1	1	2	4	5	0	0	2	0	0	1	5	182	15	0	1	0	0	0	1	952	0	1	0	1	7	0	18	7	0
7	4	12	2	21	8	3	17	2	8	21	0	23	1	7	8	5	0	0	13	11	56	25	0	5057	6	4	0	4	2	0	10	0
41	23	21	72	56	41	3	140	77	12	137	1	15	13	239	11	19	1	0	49	179	190	170	0	37	6305	28	15	92	33	8	105	0
1	0	7	5	1	1	0	2	0	2	7	0	2	1	3	1	0	0	0	0	1	13	9	0	2	1	1505	0	0	0	0	7	0
19	5	15	30	13	5	1	67	6	7	33	1	6	5	102	2	1	0	0	8	40	17	40	0	18	39	9	1948	35	3	3	31	0
55	31	36	36	88	51	12	108	33	13	110	1	41	17	201	21	39	1	1	61	61	118	148	0	41	63	23	7	14461	25	0	60	2
35	14	17	26	34	12	0	62	7	4	55	0	7	13	52	10	12	0	0	24	810	141	77	0	32	25	12	5	8	5035	5	54	6
154	6	2	26	471	27	39	75	4	7	43	7	12	4	121	22	27	0	1	2	63	1	38	0	27	24	6	19	184	5	13605	25	16
13	6	4	13	12	7	1	27	3	8	20	0	24	0	22	7	6	0	0	9	24	30	23	0	14	15	7	1	6	7	1	3485	0
12	4	1	4	9	9	2	21	2	0	14	1	0	4	10	5	9	0	0	2	29	0	9	0	11	3	1	4	11	991	3	9	249

0.8447892980291942

Kernel: (16, 2), RMSprop, categorical_crossentropy

3347	34	9	18	58	8	2	43	20	3	28	4	7	21	68	28	25	0	0	31	12	22	63	0	48	318	6	12	13	28	0	31	0
4	5600	4	9	34	6	0	4	5	1	6	0	3	5	7	2	2	0	0	26	1	19	17	0	6	73	3	0	2	8	0	40	0
0	2	4384	5	14	4	0	7	11	1	9	0	9	4	8	3	1	0	0	14	1	14	4	0	7	45	7	1	1	6	0	10	0
1	23	2	4461	34	782	0	1	14	0	12	0	4	1	8	4	1	0	0	32	0	28	26	0	4	61	5	0	0	11	0	8	0
4	24	13	13	11395	15	1	8	22	6	16	3	7	4	13	4	4	0	0	67	1	40	31	0	22	91	2	1	0	10	0	28	0
0	20	5	861	23	1957	0	1	6	1	8	1	0	2	5	4	0	0	0	10	1	19	19	0	0	39	3	0	2	9	0	3	0
10	24	3	26	56	12	3314	15	28	1	48	9	4	6	67	28	23	0	0	10	88	442	55	0	21	171	8	4	68	19	4	8	1
34	154	25	73	249	41	0	6607	91	7	124	3	18	106	697	53	66	0	0	143	60	103	177	0	48	2433	51	19	55	120	0	100	0
0	12	1	13	13	8	0	2	5538	4	4	0	3	3	4	1	0	0	0	15	1	19	6	0	7	299	2	0	1	8	0	15	0
0	1	0	0	27	1	0	0	1	1213	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0
6	67	16	31	101	53	2	21	28	3	9484	3	11	13	74	12	7	0	0	88	5	96	94	0	34	494	6	6	10	27	0	37	0
2	13	1	1	24	2	0	3	7	1	6	465	3	4	0	5	4	0	0	3581	5	22	10	0	7	18	2	0	1	5	0	0	0
0	9	4	4	6	3	0	4	13	6	4	0	5159	0	7	2	1	0	0	29	3	11	7	0	1	29	4	1	2	0	1	111	0
5	22	2	10	30	5	0	4	14	0	14	17	1	2834	17	11	3	0	0	281	6	19	15	0	11	147	6	1	0	13	1	19	0
13	74	20	49	121	23	0	41	74	4	86	1	23	25	8686	16	15	0	0	122	16	94	80	0	54	979	16	10	48	58	0	61	1
3	30	2	14	37	7	0	2	16	3	11	1	5	14	9	3795	3	0	0	20	2	35	21	0	11	207	11	1	4	12	0	9	0
2	33	11	32	49	9	0	20	48	2	15	1	13	23	42	19	5004	0	0	31	11	33	39	0	26	91	170	6	5	24	0	26	0
5	0	0	0	3	0	0	0	0	0	6	2	1	1	8	0	0	999	4	0	1	0	4	0	0	4	0	300	12	0	39	2	1
7	2	0	0	2	1	3	6	1	0	1	5	0	48	7	2	8	0	1768	4	0	0	4	0	3	3	0	0	10	0	23	4	0
0	5	1	1	7	2	0	1	3	9	2	2	1	1	2	0	0	0	0	4852	1	19	3	0	3	16	0	0	0	0	0	14	0
13	33	7	30	83	17	1	17	23	3	60	2	6	12	28	18	11	0	0	41	4509	4361	76	0	26	235	12	6	15	57	1	14	0
0	17	6	7	32	9	0	4	13	9	17	0	11	3	10	1	3	0	1	35	300	6277	23	0	13	101	7	2	1	9	0	31	0
0	40	18	9	59	12	0	7	17	2	20	0	13	8	8	7	3	0	0	55	5	61	7109	0	26	224	13	1	3	14	0	19	0
11	3	0	1	5	3	3	2	4	0	1	2	0	2	6	554	21	0	2	1	0	0	4	568	1	9	0	1	1	1	6	9	0
3	15	3	1	33	6	1	5	11	2	7	1	14	3	2	9	3	0	0	24	2	25	14	0	5055	74	3	0	2	8	0	11	0
3	29	5	28	47	14	0	5	74	2	22	1	6	11	7	5	8	0	0	51	2	66	38	0	11	7643	9	5	3	12	0	26	0
0	1	3	4	3	1	0	1	4	2	4	0	1	1	0	1	0	0	0	3	0	9	4	0	2	25	1496	0	0	1	0	5	0
3	14	9	28	35	6	1	17	20	2	29	1	5	16	62	4	1	0	0	21	4	9	29	0	19	254	7	1863	10	15	0	25	0
26	115	25	56	236	49	4	65	122	7	113	3	31	41	299	42	54	0	0	190	19	112	137	0	61	1506	31	22	12466	62	0	66	5
6	46	6	19	60	3	0	14	18	4	19	1	6	21	12	8	9	0	1	47	8	71	49	0	11	196	10	1	1	5909	0	31	7
64	15	1	33	3697	24	36	40	31	2	54	14	10	18	132	37	48	1	7	9	28	2	44	0	58	162	3	33	214	23	10170	33	20
3	60	3	14	25	4	0	9	10	5	10	0	11	7	15	7	5	0	0	25	14	17	15	0	15	139	7	1	2	17	0	3355	0
0	7	0	1	8	4	0	4	3	0	10	2	0	5	1	3	5	0	0	4	1	0	6	0	6	22	0	2	3	1079	0	2	251

0.6609152041988834, 0.7968325621474588

Kernel: (16, 2), Adadelta, cosine_proximity

3194	18	14	9	38	8	14	276	7	0	64	1	14	2	200	102	26	0	0	8	16	16	94	8	34	69	11	13	15	11	2	23	0
4	5333	3	22	36	13	2	70	6	0	26	0	10	2	62	13	4	0	0	3	6	31	73	0	17	51	6	0	5	5	3	81	0
0	2	4436	4	18	6	2	12	2	0	12	0	18	2	20	4	0	0	0	2	1	4	5	0	4	11	6	0	1	0	0	0	0
1	12	2	4391	26	861	0	13	10	0	34	0	18	0	30	10	2	0	0	6	0	29	41	0	3	22	5	1	0	5	0	1	0
8	36	14	22	11169	21	6	64	14	0	50	1	35	3	111	16	12	0	0	23	2	34	81	0	16	61	6	4	4	15	0	17	0
0	7	7	837	18	1990	0	4	4	0	28	0	3	0	13	6	1	0	0	1	1	18	32	0	0	13	4	0	3	5	2	2	0
3	12	4	11	34	8	3040	21	6	0	41	3	6	2	49	17	13	0	0	2	133	980	69	0	25	32	6	1	51	0	3	1	0
13	70	21	49	105	30	8	9931	39	0	116	2	28	12	408	49	42	0	0	11	45	80	170	0	39	249	41	3	18	36	7	35	0
0	14	9	21	26	11	1	45	5357	0	28	0	31	4	56	14	14	0	0	5	2	40	32	0	13	207	18	1	6	10	5	9	0
0	1	0	0	73	1	5	0	1	0	0	0	6	0	1	1	0	0	0	0	0	1	2	0	1	2	0	0	0	0	1154	0	0
3	31	14	19	62	39	5	79	12	0	10005	0	29	2	111	22	5	0	0	21	3	71	160	0	14	88	4	0	3	8	5	14	0
11	23	8	17	38	9	14	82	25	0	37	330	15	25	192	30	20	0	1	3069	7	33	54	0	44	64	5	8	14	6	1	10	0
0	3	2	3	1	2	0	8	0	0	4	0	5324	0	12	1	2	0	0	0	0	2	5	0	0	2	1	0	0	1	3	45	0
14	20	4	25	32	6	1	192	27	0	39	0	19	2449	238	40	21	0	4	63	13	23	51	0	27	132	9	5	5	19	8	22	0
10	35	20	43	68	26	5	302	42	0	127	0	58	8	9417	28	18	0	0	24	15	82	108	0	64	194	28	2	25	29	4	27	1
1	16	3	11	16	3	0	14	11	0	17	0	11	4	24	4033	3	0	0	4	2	24	25	0	3	32	15	0	1	5	2	5	0
1	15	13	29	38	8	3	96	36	0	20	0	24	5	97	21	4891	0	0	3	7	35	65	0	18	19	304	4	8	9	1	15	0
4	0	1	1	4	0	1	61	0	0	6	1	1	3	122	4	0	1077	6	0	2	0	4	3	12	2	0	23	12	1	40	1	0
18	3	0	1	1	2	2	50	2	0	5	0	2	87	87	3	13	5	1495	2	0	0	8	3	31	15	0	2	17	0	57	1	0
7	12	7	20	28	7	6	58	18	0	58	10	33	18	252	8	9	0	0	4175	3	43	38	0	18	62	10	8	8	7	11	11	0
13	24	7	34	70	21	38	106	17	0	79	0	13	2	107	25	21	0	0	5	3331	5480	156	0	22	47	26	2	26	31	6	8	0
1	15	9	10	39	13	45	24	8	0	37	0	40	0	48	8	5	0	0	3	317	6201	58	0	7	25	11	0	4	1	8	5	0
1	21	14	8	42	8	3	21	3	0	22	0	27	0	26	9	6	0	0	2	1	27	7448	0	16	26	15	0	1	2	1	3	0
5	3	0	1	4	0	4	5	1	0	2	0	0	1	7	667	13	0	1	0	1	0	6	476	6	2	0	1	0	0	9	6	0
2	16	7	6	45	9	5	29	5	0	31	0	33	1	22	14	14	0	0	3	0	45	24	0	4983	24	6	0	3	6	2	2	0
7	37	8	65	69	30	3	146	115	0	111	0	36	7	230	21	17	0	0	28	5	96	145	0	24	6819	36	3	14	28	4	29	0
0	2	4	4	5	1	0	3	1	0	7	0	7	2	5	4	1	0	0	0	0	8	11	0	1	7	1493	0	0	0	2	3	0
3	8	11	49	28	3	2	191	20	0	37	1	11	6	431	18	3	0	0	6	5	12	51	0	31	96	11	1437	13	3	5	17	0
30	79	29	61	144	47	18	292	96	0	216	0	83	24	1293	110	71	0	0	54	5	99	275	0	97	491	72	15	12170	23	7	60	4
12	47	10	43	60	11	0	135	16	0	72	0	29	17	291	39	23	0	0	15	67	83	112	0	162	120	24	2	6	5157	5	28	8
47	10	2	28	2344	25	37	158	28	0	62	8	20	7	379	70	42	5	3	2	22	2	56	0	87	88	9	15	153	13	11298	30	13
7	49	4	20	25	8	1	45	13	0	26	0	117	3	106	15	12	0	0	6	15	23	39	0	25	53	17	2	5	14	7	3138	0
4	10	1	4	13	9	1	45	6	0	18	1	0	2	70	12	11	0	0	2	11	1	17	0	25	17	1	2	11	1023	2	6	104

0.7895436960459148

Kernel: (16, 2), Adam, categorical_hinge

0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4306	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5887	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4572	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5523	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11845	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2999	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4573	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11657	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5979	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1249	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10829	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4192	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5421	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3508	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10810	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4285	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5785	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1392	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1912	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4945	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9717	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6942	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7753	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1221	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5337	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8133	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1571	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2509	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15965	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6594	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15063	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3795	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1429	0	0

0.07619158275358089

Kernel: (16, 2), Adamax, cosine_proximity

3528	24	20	11	31	7	8	109	7	1	44	1	10	16	110	39	18	0	0	18	30	13	42	3	60	57	2	20	26	28	3	21	0
8	5499	6	16	30	9	1	21	8	0	20	0	2	6	39	7	4	0	0	17	10	32	25	0	16	23	0	0	5	12	2	69	0
0	2	4507	3	4	3	1	7	1	0	5	0	8	1	3	2	0	0	0	4	2	3	0	0	3	3	1	0	1	4	0	4	0
1	16	2	4863	14	421	0	8	11	0	29	0	13	0	20	9	1	0	0	21	2	34	28	0	4	11	1	2	0	9	0	3	0
22	35	27	36	11009	25	8	49	25	1	50	3	25	7	97	17	7	0	0	60	23	58	55	0	47	65	2	5	11	45	0	29	2
0	10	7	1196	16	1655	0	3	6	1	20	0	1	1	7	2	0	0	0	5	2	20	21	0	1	8	1	0	3	9	1	3	0
5	11	6	14	22	8	3756	10	5	0	29	3	6	5	31	12	9	0	0	5	146	374	21	0	22	10	3	2	53	3	1	1	0
27	88	30	67	91	36	7	9391	56	7	158	0	23	56	425	47	40	0	0	77	128	95	126	0	64	331	20	13	67	129	1	57	0
0	15	10	19	21	10	0	14	5529	6	26	0	23	8	27	10	4	0	0	20	8	43	12	0	15	117	5	0	7	19	2	9	0
0	2	0	0	44	1	1	0	0	1127	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	67	0	0
6	32	23	21	51	40	7	35	11	2	10115	1	21	6	77	13	6	0	0	55	18	84	73	0	26	43	1	3	10	24	3	22	0
3	14	7	6	20	3	5	12	4	1	15	313	7	9	13	7	5	0	0	3648	18	21	18	0	17	6	1	1	4	11	0	3	0
1	3	8	3	0	3	0	4	1	5	4	0	5254	0	8	2	1	0	0	4	4	4	5	0	3	3	0	1	4	0	0	96	0
11	16	5	16	24	5	1	28	10	0	29	6	12	2931	38	13	4	0	2	182	21	16	22	0	18	35	3	5	5	31	2	17	0
21	48	30	55	64	25	11	125	54	2	127	0	48	22	9407	23	12	0	0	70	53	86	62	0	108	167	10	9	56	71	4	39	1
3	20	6	17	10	7	1	7	11	3	19	0	11	10	23	3993	2	0	0	15	3	30	20	0	14	33	4	1	4	12	0	6	0
2	20	21	58	36	9	8	63	54	1	29	1	21	42	81	26	4943	0	0	22	35	40	44	0	61	22	49	12	21	37	0	27	0
6	0	1	0	3	0	1	4	0	0	6	1	1	1	8	0	0	1233	4	0	2	0	1	2	3	2	0	71	11	0	29	1	1
20	2	0	1	1	2	3	10	0	0	5	8	0	117	10	2	5	5	1618	13	1	0	3	0	18	1	0	0	12	0	54	1	0
2	5	5	7	9	4	3	9	2	0	13	5	23	1	14	0	1	0	0	4763	2	29	12	0	5	10	0	1	1	4	8	7	0
4	13	6	23	48	18	5	18	7	3	51	0	7	4	22	19	4	0	0	19	7038	2252	74	0	13	6	4	1	18	30	2	8	0
0	11	10	8	20	10	16	5	4	7	24	0	28	1	9	2	1	0	0	23	1209	5491	24	0	7	4	4	0	3	7	1	13	0
3	29	26	13	39	11	3	17	8	2	34	0	21	6	22	10	3	0	0	26	5	51	7322	0	25	35	6	1	6	15	0	14	0
5	2	0	1	2	1	4	4	0	0	2	2	0	1	7	521	15	0	1	1	1	0	2	615	8	2	0	2	2	3	11	6	0
3	11	7	2	23	7	2	12	3	1	19	0	27	2	4	10	0	0	0	15	4	40	20	0	5100	9	1	0	2	10	0	3	0
14	43	13	68	59	26	3	74	135	2	124	0	26	24	147	16	16	0	0	69	38	102	93	0	47	6836	9	8	43	62	0	36	0
0	3	8	16	4	3	0	8	6	2	11	0	6	10	7	7	5	0	0	6	1	18	13	0	7	36	1377	1	0	7	0	9	0
7	8	13	39	18	2	1	58	23	1	34	1	9	17	107	6	1	0	0	12	14	12	24	0	35	68	3	1929	25	20	1	21	0
29	72	31	63	118	43	14	118	83	3	158	0	59	33	346	43	45	0	0	94	46	88	115	0	91	224	15	16	13907	55	0	43	13
9	40	8	22	30	7	0	27	7	2	38	1	13	16	40	12	5	0	0	30	60	61	42	0	30	21	1	1	4	6031	1	20	15
92	10	3	36	1585	21	45	83	22	0	55	11	18	14	200	47	32	4	2	6	38	0	31	0	110	53	2	38	189	31	12216	38	31
6	38	4	22	22	7	1	22	12	5	30	0	31	6	43	12	9	0	0	15	26	20	18	0	35	36	2	2	7	26	1	3337	0
3	8	1	2	8	6	1	9	2	0	15	1	0	4	1	6	4	0	0	2	5	0	7	0	10	3	0	1	6	1073	0	2	249

0.8441216136787667

Kernel: (16, 2), Nadam, mean_squared_logarithmic_error

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4306	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5887	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4572	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5523	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11845	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2999	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4573	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11657	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5979	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1249	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10829	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4192	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5421	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3508	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10810	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4285	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5785	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1392	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1912	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4945	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9717	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6942	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7753	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1221	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5337	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8133	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1571	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2509	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15965	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6594	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15063	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3795	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1429	0	0	0	0	0

0.012691010653046 14

Kernel: (16, 2), Nadam, categorical_hinge

0	0	0	0	0	0	0	1	0	4306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	11845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	11657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	10829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	3508	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	10810	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4945	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	9717	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	6942	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	7753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	8133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2509	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	15965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	6594	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	15063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	3795	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.0063176847178528185

Kernel: (16, 2), Nadam, logcosh

0	0	0	0	0	0	0	4306	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	11845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	11657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3508	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10810	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4945	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	9717	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6942	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	7753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	8133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2509	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	15965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6594	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	15063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3795	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.05896337650714157

2. AKTIVITÁSOK DETEKTÁLÁSA

A konfúziós mátrixok első sora a valós pozitív, második sora a negatív adatoknak felel meg; bal oszlopa a háló által pozitívnak, jobb oszlopa pedig negatívnak ítélt adatoknak.

2.1. Költségfüggvény/optimalizáló kombinációk eredményei

Együtt normált adatok esetén

RMSprop

mean_squared_error

7	117
11	238

0.6568364500999451

mean_absolute_error

32	92
27	222

0.6809651255607605

mean_absolute_percentage_error

30	94
30	219

0.667560338973999

mean_squared_logarithmic_error

36	88
38	211

0.6621983647346497

squared_hinge

93	31
64	185

0.7453083395957947

hinge

32	92
30	219

0.6729222536087036

categorical_hinge

15	109
16	233

0.6648793816566467

logcosh

54	70
41	208

0.7024128437042236

categorical_crossentropy

51	73
37	212

0.7050938606262207

binary_crossentropy

92	32
63	186

0.7453083395957947

kullback_leibler_divergence

50	74
38	211

0.6997318863868713

poisson

120	4
85	164

0.7613940834999084

cosine_proximity

105	19
78	171

0.7399463653564453

SGD

mean_squared_error

0	124
0	249

0.667560338973999

mean_absolute_error

0	124
0	249

0.667560338973999

mean_absolute_percentage_error

0	124
0	249

0.667560338973999

mean_squared_logarithmic_error

0	124
0	249

0.667560338973999

squared_hinge

0	124
0	249

0.667560338973999

hinge

0	124
0	249

0.667560338973999

categorical_hinge

0	124
0	249

0.667560338973999

logcosh

0	124
0	249

0.667560338973999

categorical_crossentropy

71	53
55	194

0.7104557752609253

binary_crossentropy

33	91
24	225

0.6916890144348145

kullback_leibler_divergence

0	124
0	249

0.667560338973999

poisson

19	105
17	232

0.6729222536087036

cosine_proximity

0	124
3	246

0.6595174074172974

Adagrad

mean_squared_error

6	118
9	240

0.6595174074172974

mean_absolute_error

31	93
33	216

0.6621983647346497

mean_absolute_percentage_error

15	109
13	236

0.6729222536087036

mean_squared_logarithmic_error

74	50
51	198

0.7292225360870361

squared_hinge

76	48
52	197

0.7319034934043884

hinge

0	124
0	249

0.667560338973999

categorical_hinge

0	124
0	249

0.667560338973999

logcosh

35	89
29	220

0.6836460828781128

categorical_crossentropy

47	77
40	209

0.6863270998001099

binary_crossentropy

116	8
80	169

0.7640750408172607

kullback_leibler_divergence

23	101
20	229

0.6756032109260559

poisson

0	124
5	244

0.6541554927825928

cosine_proximity

0	124
0	249

0.667560338973999

Adadelta

mean_squared_error

56	68
40	209

0.7104557752609253

mean_absolute_error

30	94
28	221

0.6729222536087036

mean_absolute_percentage_error

0	124
0	249

0.667560338973999

mean_squared_logarithmic_error

91	33
67	182

0.7319034934043884

squared_hinge

98	26
71	178

0.7399463653564453

hinge

0	124
0	249

0.667560338973999

categorical_hinge

0	124
0	249

0.667560338973999

logcosh

124	0
90	159

0.7587131261825562

categorical_crossentropy

60	64
44	205

0.7104557752609253

binary_crossentropy

90	34
67	182

0.7292225360870361

kullback_leibler_divergence

71	53
53	196

0.7158176898956299

poisson

73	51
54	195

0.7184986472129822

cosine_proximity

124	0
86	163

0.7694370150566101

Adam

mean_squared_error

33	91
31	218

0.6729222536087036

mean_absolute_error

0	124
0	249

0.667560338973999

mean_absolute_percentage_error

32	92
32	217

0.667560338973999

mean_squared_logarithmic_error

87	37
62	187

0.7345844507217407

squared_hinge

68	56
50	199

0.7158176898956299

hinge

18	106
18	231

0.667560338973999

categorical_hinge

0	124
0	249

0.667560338973999

logcosh

59	65
42	207

0.7131367325782776

categorical_crossentropy

50	74
39	210

0.697050929069519

binary_crossentropy

62	62
43	206

0.7184986472129822

kullback_leibler_divergence

95	29
65	184

0.7479892969131147

poisson

19	105
15	234

0.6782841682434082

cosine_proximity

57	67
42	207

0.707774817943573

Adamax

mean_squared_error

124	0
86	163

0.7694370150566101

mean_absolute_error

0	124
0	249

0.667560338973999

mean_absolute_percentage_error

0	124
0	249

0.667560338973999

mean_squared_logarithmic_error

34	90
28	221

0.6836460828781128

squared_hinge

95	29
67	182

0.7426273226737976

hinge

15	109
12	237

0.6756032109260559

categorical_hinge

3	121
0	249

0.6756032109260559

logcosh

119	5
82	167

0.7667560577392578

categorical_crossentropy

41	83
35	214

0.6836460828781128

binary_crossentropy

46	78
34	215

0.6997318863868713

kullback_leibler_divergence

73	51
52	197

0.7238605618476868

poisson

50	74
35	214

0.707774817943573

cosine_proximity

20	104
16	233

0.6782841682434082

Nadam

mean_squared_error

51	73
37	212

0.7050938606262207

mean_absolute_error

27	97
27	222

0.667560338973999

mean_absolute_percentage_error

0	124
0	249

0.667560338973999

mean_squared_logarithmic_error

104	20
75	174

0.7453083395957947

squared_hinge

41	83
33	216

0.6890080571174622

hinge

0	124
0	249

0.667560338973999

categorical_hinge

0	124
0	249

0.667560338973999

logcosh

43	81
34	215

0.6916890144348145

categorical_crossentropy

44	80
36	213

0.6890080571174622

binary_crossentropy

118	6
83	166

0.7613940834999084

kullback_leibler_divergence

48	76
39	210

0.6916890144348145

poisson

51	73
37	212

0.7050938606262207

cosine_proximity

59	65
43	206

0.7104557752609253

Külön normált adatok esetén

RMSprop

mean_squared_error

84	40
53	196

0.7506702542304993

mean_absolute_error

52	72
40	209

0.6997318863868713

mean_absolute_percentage_error

65	59
68	181

0.6595174074172974

mean_squared_logarithmic_error

57	67
45	204

0.6997318863868713

squared_hinge

53	71
48	201

0.6809651255607605

hinge

123	1
86	163

0.7667560577392578

categorical_hinge

123	1
86	163

0.7667560577392578

logcosh

45	79
36	213

0.6916890144348145

categorical_crossentropy

50	74
36	213

0.7050938606262207

binary_crossentropy

40	84
27	222

0.7024128437042236

kullback_leibler_divergence

45	79
35	214

0.6943699717521667

poisson

35	89
26	223

0.6916890144348145

cosine_proximity

48	76
34	215

0.7050938606262207

SGD

mean_squared_error

31	93
26	223

0.6809651255607605

mean_absolute_error

42	82
25	224

0.7131367325782776

mean_absolute_percentage_error

0	124
3	246

0.6595174074172974

mean_squared_logarithmic_error

96	28
66	183

0.747989296913147

squared_hinge

52	72
41	208

0.697050929069519

hinge

123	1
86	163

0.7667560577392578

categorical_hinge

75	49
53	196

0.7265415787696838

logcosh

57	67
40	209

0.7131367325782776

categorical_crossentropy

54	70
40	209

0.7050938606262207

binary_crossentropy

52	72
38	211

0.7050938606262207

kullback_leibler_divergence

55	69
40	209

0.707774817943573

poisson

47	77
33	216

0.7050938606262207

cosine_proximity

124	0
90	159

0.7587131261825562

Adagrad

mean_squared_error

52	72
40	209

0.6997318863868713

mean_absolute_error

114	10
80	169

0.7587131261825562

mean_absolute_percentage_error

46	78
24	225

0.7265415787696838

mean_squared_logarithmic_error

79	45
55	194

0.7319034934043884

squared_hinge

45	79
34	215

0.697050929069519

hinge

124	0
86	163

0.7694370150566101

categorical_hinge

83	41
54	195

0.7453083395957947

logcosh

55	69
40	209

0.707774817943573

categorical_crossentropy

28	96
25	224

0.6756032109260559

binary_crossentropy

66	58
43	206

0.7292225360870361

kullback_leibler_divergence

19	105
17	232

0.6729222536087036

poisson

55	69
44	205

0.697050929069519

cosine_proximity

104	20
72	177

0.7533512115478516

Adadelta

mean_squared_error

49	75
34	215

0.707774817943573

mean_absolute_error

124	0
86	163

0.7694370150566101

mean_absolute_percentage_error

42	82
25	224

0.7131367325782776

mean_squared_logarithmic_error

53	71
39	210

0.7050938606262207

squared_hinge

50	74
36	213

0.7050938606262207

hinge

123	1
86	163

0.7667560577392578

categorical_hinge

124	0
86	163

0.7694370150566101

logcosh

124	0
85	164

0.7721179723739624

categorical_crossentropy

51	73
38	211

0.7024128437042236

binary_crossentropy

33	91
20	229

0.7024128437042236

kullback_leibler_divergence

46	78
33	216

0.7024128437042236

poisson

53	71
38	211

0.707774817943573

cosine_proximity

46	78
39	210

0.6863270998001099

Adam

mean_squared_error

36	88
30	219

0.6836460828781128

mean_absolute_error

55	69
39	210

0.7104557752609253

mean_absolute_percentage_error

9	115
2	247

0.6863270998001099

mean_squared_logarithmic_error

67	57
45	204

0.7265415787696838

squared_hinge

55	69
38	211

0.7131367325782776

hinge

124	0
86	163

0.7694370150566101

categorical_hinge

124	0
87	162

0.7667560577392578

logcosh

55	69
43	206

0.6997318863868713

categorical_crossentropy

55	69
43	206

0.6997318863868713

binary_crossentropy

48	76
32	217

0.7104557752609253

kullback_leibler_divergence

77	47
43	206

0.7587131261825562

poisson

45	79
34	215

0.697050929069519

cosine_proximity

81	43
61	188

0.7211796045303345

Adamax

mean_squared_error

49	75
37	212

0.6997318863868713

mean_absolute_error

39	85
36	213

0.6756032109260559

mean_absolute_percentage_error

124	0
89	160

0.7613940834999084

mean_squared_logarithmic_error

44	80
36	213

0.6890080571174622

squared_hinge

42	82
29	220

0.7024128437042236

hinge

38	86
35	214

0.6756032109260559

categorical_hinge

117	7
84	165

0.7560321688652039

logcosh

48	76
36	213

0.6997318863868713

categorical_crossentropy

83	41
59	190

0.7319034934043884

binary_crossentropy

55	69
39	210

0.7104557752609253

kullback_leibler_divergence

46	78
32	217

0.7050938606262207

poisson

52	72
36	213

0.7104557752609253

cosine_proximity

44	80
36	213

0.6890080571174622

Nadam

mean_squared_error

49	75
36	213

0.7024128437042236

mean_absolute_error

0	124
0	249

0.6675603389739999

mean_absolute_percentage_error

104	20
75	174

0.7453083395957947

mean_squared_logarithmic_error

52	72
38	211

0.7050938606262207

squared_hinge

54	70
40	209

0.7050938606262207

hinge

124	0
86	163

0.7694370150566101

categorical_hinge

124	0
86	163

0.7694370150566101

logcosh

55	69
41	208

0.7050938606262207

categorical_crossentropy

54	70
38	211

0.7104557752609253

binary_crossentropy

49	75
31	218

0.7158176898956299

kullback_leibler_divergence

81	43
46	203

0.7613940834999084

poisson

54	70
36	213

0.7158176898956299

cosine_proximity

54	70
40	209

0.7050938606262207

2.2. A tesztadatokra a legjobb hálóval kapott eredmények

Az egyes konfúziós mátrixok a tesztadatok egyes, 3000 időszeletből álló csomagjainak felelnek meg.

1000	0
683	1317

0.7723333239555359

1000	0
674	1326

0.7753333449363708

1000	0
682	1318

0.7726666927337646

1000	0
690	1310

0.7699999809265137

1000	0
688	1312

0.7706666588783264

1000	0
646	1354

0.7846666574478149

1000	0
652	1348

0.7826666831970215

1000	0
714	1286

0.7620000243186951

1000	0
672	1328

0.7760000228881836

1000	0
662	1338

0.7793333530426025

1000	0
678	1322

0.7739999890327454

1000	0
680	1320

0.7733333110809326

1000	0
638	1362

0.7873333096504211

1000	0
624	1376

0.7919999957084656

1000	0
662	1338

0.7793333530426025

1000	0
650	1350

0.7833333611488342

1000	0
620	1380

0.7933333516120911

1000	0
622	1378

0.7926666736602783

1000	0
718	1282

0.7606666684150696

1000	0
692	1308

0.7693333625793457

1000	0
660	1340

0.7799999713897705

1000	0
626	1374

0.7913333177566528

1000	0
648	1352

0.7839999794960022

1000	0
624	1376

0.7919999957084656

1000	0
664	1336

0.7786666750907898

1000	0
610	1390

0.79666668176651

1000	0
724	1276

0.7586666941642761

1000	0
686	1314

0.7713333368301392

1000	0
652	1348

0.7826666831970215

1000	0
632	1368

0.7893333435058594

1000	0
674	1326

0.7753333449363708

1000	0
686	1314

0.7713333368301392

1000	0
690	1310

0.7699999809265137

1000	0
626	1374

0.7913333177566528

1000	0
650	1350

0.7833333611488342

1000	0
632	1368

0.7893333435058594

1000	0
664	1336

0.7786666750907898

1000	0
650	1350

0.7833333611488342

1000	0
642	1358

0.7860000133514404

1000	0
716	1284

0.7613333463668823

1000	0
590	1410

0.8033333420753479

1000	0
658	1342

0.7806666493415833

1000	0
672	1328

0.7760000228881836

1000	0
614	1386

0.7953333258628845

1000	0
642	1358

0.7860000133514404

1000	0
612	1388

0.7960000038146973

1000	0
630	1370

0.7900000214576721

1000	0
610	1390

0.79666668176651

1000	0
608	1392

0.7973333597183228

1000	0
668	1332

0.7773333191871643

1000	0
658	1342

0.7806666493415833

1000	0
710	1290

0.7633333206176758

1000	0
654	1346

0.7820000052452087

1000	0
666	1334

0.777999997138977

1000	0
668	1332

0.7773333191871643

1000	0
648	1352

0.7839999794960022

1000	0
652	1348

0.7826666831970215

1000	0
637	1363

0.7876666784286499

1000	0
660	1340

0.7799999713897705

1000	0
672	1328

0.7760000228881836