java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 1 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn rn -metric2t MAP -metric2T MAP -tvs 0.8

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 1 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn rn -metric2t MAP -metric2T MAP -tvs 0.8

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 1 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn rn -metric2t MAP -metric2T MAP

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 1 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn rn -metric2t MAP -metric2T MAP -tvs 0.7

0.7就可以了?

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 1 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn rn -metric2t MAP -metric2T MAP -tvs 0.8

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -test normalize/SBFL\_chart.txt -ranker 1 -metric2t MAP -metric2T MAP -tvs 0.8

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -test normalize/SBFL\_chart.txt -validate normalize/SBFL\_chart.txt -ranker 1 -metric2t MAP -metric2T MAP

不知道為甚麼用RankNet多了”-tvs 0.8”就會丟出exception，改成用0.7就可以。

java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 4 -r 6 -kcv 5 -kcvmd Closure\_result/ -kcvmn ca -metric2t NDCG@10 -metric2T ERR@10 -tvs 0.8

改成Coordinate Ascent就能正常處理

ncyu@ncyu-virtual-machine:~/Ranklib$ java -jar RankLib-2.18.jar -train normalize/SBFL\_closure.txt -ranker 4 -r 6 -kcv 5 -kcvmd no\_Closure\_result/ -kcvmn ca -metric2t MAP -metric2T MAP -tvs 0.8

Discard orig. features

Training data: normalize/SBFL\_closure.txt

Cross validation: 5 folds.

Train-Validation split: 0.8

Feature vector representation: Dense.

Ranking method: Coordinate Ascent

Feature description file: Unspecified. All features will be used.

Train metric: MAP

Test metric: MAP

Feature normalization: No

Models directory: no\_Closure\_result/

Models' name: ca

[+] Coordinate Ascent's Parameters:

No. of random restarts: 6

No. of iterations to search in each direction: 25

Tolerance: 0.001

Regularization: No

Reading feature file [normalize/SBFL\_closure.txt]... [Done.]

(133 ranked lists, 2128 entries read)

Creating data for 5 folds... [Done]

Train[0]= "20027" "20028" "20029" "20030" "20031" "20032" "20033" "20034" "20035" "20036" "20037" "20038" "20039" "20040" "20041" "20042" "20043" "20044" "20045" "20046" "20047" "20048" "20049" "20050" "20051" "20052" "20053" "20054" "20055" "20056" "20057" "20058" "20059" "20060" "20061" "20062" "20063" "20064" "20065" "20066" "20067" "20068" "20069" "20070" "20071" "20072" "20073" "20074" "20075" "20076" "20077" "20078" "20079" "20080" "20081" "20082" "20083" "20084" "20085" "20086" "20087" "20088" "20089" "20090" "20091" "20092" "20093" "20094" "20095" "20096" "20097" "20098" "20099" "20100" "20101" "20102" "20103" "20104" "20105" "20106" "20107" "20108" "20109" "20110" "20111" "20112"

Train[1]= "20001" "20002" "20003" "20004" "20005" "20006" "20007" "20008" "20009" "20010" "20011" "20012" "20013" "20014" "20015" "20016" "20017" "20018" "20019" "20020" "20021" "20022" "20023" "20024" "20025" "20026" "20053" "20054" "20055" "20056" "20057" "20058" "20059" "20060" "20061" "20062" "20063" "20064" "20065" "20066" "20067" "20068" "20069" "20070" "20071" "20072" "20073" "20074" "20075" "20076" "20077" "20078" "20079" "20080" "20081" "20082" "20083" "20084" "20085" "20086" "20087" "20088" "20089" "20090" "20091" "20092" "20093" "20094" "20095" "20096" "20097" "20098" "20099" "20100" "20101" "20102" "20103" "20104" "20105" "20106" "20107" "20108" "20109" "20110" "20111" "20112"

Train[2]= "20001" "20002" "20003" "20004" "20005" "20006" "20007" "20008" "20009" "20010" "20011" "20012" "20013" "20014" "20015" "20016" "20017" "20018" "20019" "20020" "20021" "20022" "20023" "20024" "20025" "20026" "20027" "20028" "20029" "20030" "20031" "20032" "20033" "20034" "20035" "20036" "20037" "20038" "20039" "20040" "20041" "20042" "20043" "20044" "20045" "20046" "20047" "20048" "20049" "20050" "20051" "20052" "20079" "20080" "20081" "20082" "20083" "20084" "20085" "20086" "20087" "20088" "20089" "20090" "20091" "20092" "20093" "20094" "20095" "20096" "20097" "20098" "20099" "20100" "20101" "20102" "20103" "20104" "20105" "20106" "20107" "20108" "20109" "20110" "20111" "20112"

Train[3]= "20001" "20002" "20003" "20004" "20005" "20006" "20007" "20008" "20009" "20010" "20011" "20012" "20013" "20014" "20015" "20016" "20017" "20018" "20019" "20020" "20021" "20022" "20023" "20024" "20025" "20026" "20027" "20028" "20029" "20030" "20031" "20032" "20033" "20034" "20035" "20036" "20037" "20038" "20039" "20040" "20041" "20042" "20043" "20044" "20045" "20046" "20047" "20048" "20049" "20050" "20051" "20052" "20053" "20054" "20055" "20056" "20057" "20058" "20059" "20060" "20061" "20062" "20063" "20064" "20065" "20066" "20067" "20068" "20069" "20070" "20071" "20072" "20073" "20074" "20075" "20076" "20077" "20078" "20105" "20106" "20107" "20108" "20109" "20110" "20111" "20112"

Train[4]= "20001" "20002" "20003" "20004" "20005" "20006" "20007" "20008" "20009" "20010" "20011" "20012" "20013" "20014" "20015" "20016" "20017" "20018" "20019" "20020" "20021" "20022" "20023" "20024" "20025" "20026" "20027" "20028" "20029" "20030" "20031" "20032" "20033" "20034" "20035" "20036" "20037" "20038" "20039" "20040" "20041" "20042" "20043" "20044" "20045" "20046" "20047" "20048" "20049" "20050" "20051" "20052" "20053" "20054" "20055" "20056" "20057" "20058" "20059" "20060" "20061" "20062" "20063" "20064" "20065" "20066" "20067" "20068" "20069" "20070" "20071" "20072" "20073" "20074" "20075" "20076" "20077" "20078" "20079" "20080" "20081" "20082" "20083" "20084"

Validate[0]= "20133" "20132" "20131" "20130" "20129" "20128" "20127" "20126" "20125" "20124" "20123" "20122" "20121" "20120" "20119" "20118" "20117" "20116" "20115" "20114" "20113"

Validate[1]= "20133" "20132" "20131" "20130" "20129" "20128" "20127" "20126" "20125" "20124" "20123" "20122" "20121" "20120" "20119" "20118" "20117" "20116" "20115" "20114" "20113"

Validate[2]= "20133" "20132" "20131" "20130" "20129" "20128" "20127" "20126" "20125" "20124" "20123" "20122" "20121" "20120" "20119" "20118" "20117" "20116" "20115" "20114" "20113"

Validate[3]= "20133" "20132" "20131" "20130" "20129" "20128" "20127" "20126" "20125" "20124" "20123" "20122" "20121" "20120" "20119" "20118" "20117" "20116" "20115" "20114" "20113"

Validate[4]= "20104" "20103" "20102" "20101" "20100" "20099" "20098" "20097" "20096" "20095" "20094" "20093" "20092" "20091" "20090" "20089" "20088" "20087" "20086" "20085"

Test[0]= "20001" "20002" "20003" "20004" "20005" "20006" "20007" "20008" "20009" "20010" "20011" "20012" "20013" "20014" "20015" "20016" "20017" "20018" "20019" "20020" "20021" "20022" "20023" "20024" "20025" "20026"

Test[1]= "20027" "20028" "20029" "20030" "20031" "20032" "20033" "20034" "20035" "20036" "20037" "20038" "20039" "20040" "20041" "20042" "20043" "20044" "20045" "20046" "20047" "20048" "20049" "20050" "20051" "20052"

Test[2]= "20053" "20054" "20055" "20056" "20057" "20058" "20059" "20060" "20061" "20062" "20063" "20064" "20065" "20066" "20067" "20068" "20069" "20070" "20071" "20072" "20073" "20074" "20075" "20076" "20077" "20078"

Test[3]= "20079" "20080" "20081" "20082" "20083" "20084" "20085" "20086" "20087" "20088" "20089" "20090" "20091" "20092" "20093" "20094" "20095" "20096" "20097" "20098" "20099" "20100" "20101" "20102" "20103" "20104"

Test[4]= "20105" "20106" "20107" "20108" "20109" "20110" "20111" "20112" "20113" "20114" "20115" "20116" "20117" "20118" "20119" "20120" "20121" "20122" "20123" "20124" "20125" "20126" "20127" "20128" "20129" "20130" "20131" "20132" "20133"

Initializing... [Done]

---------------------------

Training starts...

---------------------------

[+] Random restart #1/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

3 | -0.311 | 0.1143 |

2 | +0.053 | 0.115 |

2 | -0.075 | 0.1163 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #2/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | -0.311 | 0.1143 |

5 | +0.691 | 0.115 |

5 | +1.203 | 0.1163 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #3/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.711 | 0.1143 |

5 | +1.223 | 0.115 |

5 | +2.247 | 0.1163 |

------------------------------

[+] Random restart #4/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.1143 |

1 | +0.053 | 0.115 |

1 | -0.075 | 0.1163 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #5/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.711 | 0.1143 |

5 | +1.223 | 0.115 |

5 | +2.247 | 0.1163 |

------------------------------

[+] Random restart #6/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | -0.311 | 0.1143 |

3 | +0.053 | 0.115 |

3 | -0.075 | 0.1163 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

---------------------------------

Finished sucessfully.

MAP on training data: 0.1163

MAP on validation data: 0.0

---------------------------------

Fold-1 model saved to: ca

Initializing... [Done]

---------------------------

Training starts...

---------------------------

[+] Random restart #1/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.1346 |

1 | +0.179 | 0.1363 |

1 | -0.075 | 0.1383 |

2 | +0.2001 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #2/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.1331 |

2 | -0.055 | 0.1363 |

2 | -0.311 | 0.1375 |

1 | +0.179 | 0.1378 |

5 | +0.3072 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #3/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

3 | -0.311 | 0.1346 |

5 | +0.181 | 0.1368 |

5 | +0.435 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #4/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.1346 |

1 | +0.179 | 0.1363 |

1 | -0.075 | 0.1383 |

2 | +0.0741 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #5/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.1346 |

5 | +0.181 | 0.1348 |

5 | +0.307 | 0.1368 |

5 | +0.435 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #6/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.1346 |

1 | +0.179 | 0.1363 |

1 | -0.075 | 0.1383 |

5 | +0.3281 | 0.1395 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

---------------------------------

Finished sucessfully.

MAP on training data: 0.1395

MAP on validation data: 0.0

---------------------------------

Fold-2 model saved to: ca

Initializing... [Done]

---------------------------

Training starts...

---------------------------

[+] Random restart #1/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0979 |

5 | +0.455 | 0.1006 |

5 | +0.711 | 0.1026 |

5 | +1.223 | 0.1034 |

5 | +2.247 | 0.1047 |

------------------------------

[+] Random restart #2/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0962 |

2 | -0.055 | 0.0994 |

2 | -0.311 | 0.1006 |

4 | +0.053 | 0.1014 |

4 | -0.075 | 0.1026 |

1 | +0.2001 | 0.1029 |

5 | +0.3283 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #3/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0962 |

2 | -0.055 | 0.0994 |

2 | -0.311 | 0.1006 |

3 | +0.053 | 0.1014 |

3 | -0.075 | 0.1026 |

5 | +0.4561 | 0.1034 |

5 | +1.2241 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #4/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0962 |

2 | -0.055 | 0.0994 |

2 | -0.311 | 0.1006 |

4 | +0.053 | 0.1014 |

4 | -0.075 | 0.1026 |

5 | +0.2021 | 0.1029 |

5 | +0.3281 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #5/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

1 | +0.199 | 0.0974 |

1 | -0.055 | 0.0994 |

4 | -0.2771 | 0.1022 |

5 | +0.2252 | 0.1034 |

5 | +0.2552 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #6/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

4 | -0.311 | 0.0977 |

2 | +0.179 | 0.0982 |

2 | +0.053 | 0.099 |

2 | -0.075 | 0.1034 |

1 | +0.0741 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

---------------------------------

Finished sucessfully.

MAP on training data: 0.1047

MAP on validation data: 0.0

---------------------------------

Fold-3 model saved to: ca

Initializing... [Done]

---------------------------

Training starts...

---------------------------

[+] Random restart #1/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0999 |

5 | +0.455 | 0.1026 |

5 | +1.223 | 0.1034 |

5 | +2.247 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #2/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

1 | +0.199 | 0.0994 |

1 | -0.055 | 0.1014 |

3 | -0.2771 | 0.1022 |

5 | +0.2252 | 0.1034 |

5 | +0.2552 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #3/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0982 |

2 | -0.055 | 0.1014 |

5 | +0.2349 | 0.1026 |

5 | +0.7449 | 0.1034 |

5 | +2.2809 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #4/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0982 |

2 | -0.055 | 0.1014 |

1 | +0.2329 | 0.1026 |

4 | -0.2768 | 0.1034 |

5 | +0.2556 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #5/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0999 |

5 | +0.455 | 0.1026 |

5 | +1.223 | 0.1034 |

5 | +2.247 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #6/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

1 | +0.199 | 0.0994 |

1 | -0.055 | 0.1014 |

5 | +0.2349 | 0.1026 |

5 | +1.2569 | 0.1034 |

5 | +2.2809 | 0.1047 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

---------------------------------

Finished sucessfully.

MAP on training data: 0.1047

MAP on validation data: 0.0

---------------------------------

Fold-4 model saved to: ca

Initializing... [Done]

---------------------------

Training starts...

---------------------------

[+] Random restart #1/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

1 | +0.199 | 0.0899 |

1 | -0.055 | 0.0919 |

4 | -0.2771 | 0.0927 |

5 | +0.2252 | 0.094 |

5 | +0.2552 | 0.0952 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #2/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0904 |

5 | +0.455 | 0.0932 |

5 | +1.223 | 0.094 |

5 | +2.247 | 0.0952 |

------------------------------

[+] Random restart #3/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

2 | +0.199 | 0.0886 |

2 | -0.055 | 0.0919 |

4 | -0.2771 | 0.0927 |

5 | +0.2252 | 0.094 |

5 | +0.2552 | 0.0952 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #4/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0904 |

5 | +0.455 | 0.0932 |

5 | +1.223 | 0.094 |

5 | +2.247 | 0.0952 |

------------------------------

[+] Random restart #5/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

1 | +0.199 | 0.0899 |

1 | -0.055 | 0.0919 |

2 | +0.2329 | 0.0932 |

5 | +1.2572 | 0.094 |

5 | +2.2812 | 0.0952 |

------------------------------

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

------------------------------

[+] Random restart #6/6...

Shuffling features' order... [Done.]

Optimizing weight vector...

------------------------------

Feature | weight | MAP |

------------------------------

5 | +0.201 | 0.0904 |

5 | +0.455 | 0.0932 |

5 | +1.223 | 0.094 |

5 | +2.247 | 0.0952 |

------------------------------

---------------------------------

Finished sucessfully.

MAP on training data: 0.0952

MAP on validation data: 0.2

---------------------------------

Fold-5 model saved to: ca

Summary:

MAP | Train | Test

----------------------------------

Fold 1 | 0.1163 | 0.1113

Fold 2 | 0.1395 | 0.0385

Fold 3 | 0.1047 | 0.1538

Fold 4 | 0.1047 | 0.1538

Fold 5 | 0.0952 | 0.0345

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Avg. | 0.1121 | 0.0984

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Total | | 0.0969