TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run1 (NHK_run1.gz)

EVALUATON: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.1940119478460
549
> Information Type Recall (positive class, multi-type, macro): 0.10268921431466041
> Information Type F1 (positive class, multi-type, macro):   0.11958003509590544
> Information Type Accuracy (overall, multi-type, macro):   0.900640921957137

EVALUATON: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06016580166543098

EVALUATON: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.40625402136147215
> Information Type Recall (any valid type, micro): 0.6414059325477448
> Information Type F1 (any valid type, micro): 0.4974395336011975
> Information Type Accuracy (any valid type, micro): 0.3551354630004044

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run1 (NHK_run1.gz)

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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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albertaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.06962392187560497
  Information Type Recall (positive class, multi-type, macro): 0.1570096168896929
  Information Type F1 (positive class, multi-type, macro): 0.07625509826698625
  Information Type Accuracy (overall, multi-type, macro): 0.8808864265927978

australiaBushfire2013
  Information Type Precision (positive class, multi-type, macro): 0.09764240177365145
  Information Type Recall (positive class, multi-type, macro): 0.20932747952606423
  Information Type F1 (positive class, multi-type, macro): 0.10971022918957907
  Information Type Accuracy (overall, multi-type, macro): 0.8798227474150666

bostonBombings2013
  Information Type Precision (positive class, multi-type, macro): 0.07033628615513678
  Information Type Recall (positive class, multi-type, macro): 0.17099941625745926
  Information Type F1 (positive class, multi-type, macro): 0.08420090993722848
  Information Type Accuracy (overall, multi-type, macro): 0.880448598130841

chileEarthquake2014
  Information Type Precision (positive class, multi-type, macro): 0.09890238232947153
  Information Type Recall (positive class, multi-type, macro): 0.13096392496392498
  Information Type F1 (positive class, multi-type, macro): 0.07032603170157692
  Information Type Accuracy (overall, multi-type, macro): 0.8865594855305464

flSchoolShooting2018
  Information Type Precision (positive class, multi-type, macro): 0.05992861047525405
  Information Type Recall (positive class, multi-type, macro): 0.15165987029162295
  Information Type F1 (positive class, multi-type, macro): 0.06561945956622807
  Information Type Accuracy (overall, multi-type, macro): 0.8729874776386403

guatemalaEarthquake2012
  Information Type Precision (positive class, multi-type, macro): 0.0920342484063552
  Information Type Recall (positive class, multi-type, macro): 0.2473247977512683
  Information Type F1 (positive class, multi-type, macro): 0.11822264043679649
  Information Type Accuracy (overall, multi-type, macro): 0.8776623376623377

italyEarthquakes2012
  Information Type Precision (positive class, multi-type, macro): 0.12442368662928194
  Information Type Recall (positive class, multi-type, macro): 0.13798188653451812
  Information Type F1 (positive class, multi-type, macro): 0.08242199122199123
  Information Type Accuracy (overall, multi-type, macro): 0.9293203883495147

joplinTornado2011
  Information Type Precision (positive class, multi-type, macro): 0.169323235959442856
  Information Type Recall (positive class, multi-type, macro): 0.20634654234654234
  Information Type F1 (positive class, multi-type, macro): 0.13281438401749976
  Information Type Accuracy (overall, multi-type, macro): 0.87375

manilaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.09245077594488454
  Information Type Recall (positive class, multi-type, macro): 0.17470026409135628
  Information Type F1 (positive class, multi-type, macro): 0.10029452343758251
  Information Type Accuracy (overall, multi-type, macro): 0.9172749391727494

nepalEarthquake2015
  Information Type Precision (positive class, multi-type, macro): 0.08481508910724146
  Information Type Recall (positive class, multi-type, macro): 0.13924292575040187
  Information Type F1 (positive class, multi-type, macro): 0.09372969843712729
```

   Information Type Accuracy (overall, multi-type, macro): 0.9172982821447161

parisAttacks2015
   Information Type Precision (positive class, multi-type, macro): 0.06946868996345888
   Information Type Recall (positive class, multi-type, macro): 0.09494229568384427
   Information Type F1 (positive class, multi-type, macro): 0.06883656967373991
   Information Type Accuracy (overall, multi-type, macro): 0.9093126815101644

philipinnesFloods2012
   Information Type Precision (positive class, multi-type, macro): 0.0866806133736824
   Information Type Recall (positive class, multi-type, macro): 0.14797083419724932
   Information Type F1 (positive class, multi-type, macro): 0.07218555207571015
   Information Type Accuracy (overall, multi-type, macro): 0.8885125858123569

queenslandFloods2013
   Information Type Precision (positive class, multi-type, macro): 0.10192235787646065
   Information Type Recall (positive class, multi-type, macro): 0.18330509750479493
   Information Type F1 (positive class, multi-type, macro): 0.11960567854953208
   Information Type Accuracy (overall, multi-type, macro): 0.8770266479663397

typhoonHagupit2014
   Information Type Precision (positive class, multi-type, macro): 0.10474567681987977
   Information Type Recall (positive class, multi-type, macro): 0.2157895626018535
   Information Type F1 (positive class, multi-type, macro): 0.11660899478842648
   Information Type Accuracy (overall, multi-type, macro): 0.8898735988552349

typhoonYolanda2013
   Information Type Precision (positive class, multi-type, macro): 0.08398061516528495
   Information Type Recall (positive class, multi-type, macro): 0.19132458992715246
   Information Type F1 (positive class, multi-type, macro): 0.10521621290960109
   Information Type Accuracy (overall, multi-type, macro): 0.8867375886524824

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run1 (NHK_run1.gz)

EVALUATON: Information Type Categorization (Multi-type)
Per Information Type Performance

Request-GoodsServices

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19658
Request-GoodsServices	0.00	0.00	0.00	126
avg / total	0.99	0.99	0.99	19784

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19498
Request-SearchAndRescue	0.00	0.00	0.00	286
avg / total	0.97	0.99	0.98	19784

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19612
Request-InformationWanted	0.01	0.01	0.01	172
avg / total	0.98	0.98	0.98	19784

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19668
CallToAction-Volunteer	0.05	0.01	0.01	116
avg / total	0.99	0.99	0.99	19784

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.97	0.96	0.97	18980
CallToAction-Donations	0.25	0.31	0.28	804
avg / total	0.94	0.93	0.94	19784

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19757
CallToAction-MovePeople	0.01	0.11	0.02	27
avg / total	1.00	0.99	0.99	19784

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.81	0.98	0.88	15977

Report-FirstPartyObservation   0.21   0.02   0.04   3807

                     avg / total   0.69   0.79   0.72   19784

Report-ThirdPartyObservation
                              precision   recall   f1-score   support

                Other Classes   0.79   0.99   0.88   15624
Report-ThirdPartyObservation   0.23   0.01   0.02   4160

                 avg / total   0.67   0.78   0.70   19784

Report-Weather
              precision   recall   f1-score   support

 Other Classes   0.94   0.99   0.96   18459
Report-Weather   0.47   0.15   0.23   1325

    avg / total   0.91   0.93   0.91   19784

Report-EmergingThreats
                 precision   recall   f1-score   support

           Other Classes   0.97   0.98   0.97   19098
Report-EmergingThreats   0.08   0.04   0.05   686

       avg / total   0.94   0.95   0.94   19784

Report-SignificantEventChange
                               precision   recall   f1-score   support

                Other Classes   0.98   0.99   0.98   19369
Report-SignificantEventChange   0.03   0.01   0.02   415

                 avg / total   0.96   0.97   0.96   19784

Report-MultimediaShare
                 precision   recall   f1-score   support

           Other Classes   0.82   0.94   0.88   15810
Report-MultimediaShare   0.42   0.16   0.23   3974

       avg / total   0.74   0.79   0.75   19784

Report-ServiceAvailable
                 precision   recall   f1-score   support

           Other Classes   0.95   0.98   0.97   18708
Report-ServiceAvailable   0.35   0.14   0.20   1076

       avg / total   0.92   0.94   0.93   19784

Report-Factoid
              precision   recall   f1-score   support

 Other Classes   0.89   0.95   0.92   17401
Report-Factoid   0.30   0.15   0.20   2383

```
      avg / total        0.82       0.86       0.83       19784


Report-Official
                   precision    recall   f1-score    support

   Other Classes        0.98       0.98       0.98       19381
 Report-Official        0.11       0.13       0.12         403

      avg / total        0.96       0.96       0.96       19784


Report-CleanUp
                   precision    recall   f1-score    support

   Other Classes        1.00       1.00       1.00       19722
  Report-CleanUp        0.00       0.00       0.00          62

      avg / total        0.99       1.00       1.00       19784


Report-Hashtags
                   precision    recall   f1-score    support

   Other Classes        0.83       1.00       0.91       16421
 Report-Hashtags        0.13       0.00       0.00        3363

      avg / total        0.71       0.83       0.75       19784


Other-PastNews
                   precision    recall   f1-score    support

   Other Classes        0.93       1.00       0.96       18433
  Other-PastNews        0.12       0.01       0.02        1351

      avg / total        0.88       0.93       0.90       19784


Other-ContinuingNews
                       precision    recall   f1-score    support

       Other Classes        0.79       0.91       0.85       14913
Other-ContinuingNews        0.48       0.24       0.32        4871

          avg / total        0.71       0.75       0.72       19784


Other-Advice
                 precision    recall   f1-score    support

Other Classes        0.94       0.95       0.95       18575
 Other-Advice        0.16       0.14       0.15        1209

   avg / total        0.90       0.90       0.90       19784


Other-Sentiment
                  precision    recall   f1-score    support

   Other Classes        0.74       0.92       0.82       12832
 Other-Sentiment        0.73       0.38       0.50        6952

      avg / total        0.73       0.73       0.71       19784
```

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.91	0.96	0.93	17724
Other-Discussion	0.34	0.18	0.24	2060
avg / total	0.85	0.88	0.86	19784

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.88	0.81	0.84	17179
Other-Irrelevant	0.18	0.27	0.22	2605
avg / total	0.79	0.74	0.76	19784

Other-Unknown

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19707
Other-Unknown	0.00	0.01	0.01	77
avg / total	0.99	0.98	0.99	19784

Other-KnownAlready

	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	18683
Other-KnownAlready	0.19	0.06	0.09	1101
avg / total	0.90	0.93	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run2 (NHK_run2.gz)

EVALUATON: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.2104217884092
4655
> Information Type Recall (positive class, multi-type, macro): 0.10046576092437327
> Information Type F1 (positive class, multi-type, macro):   0.11872585879846245
> Information Type Accuracy (overall, multi-type, macro):   0.9042033966841891

EVALUATON: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06232029415006977

EVALUATON: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.44832892226257154
> Information Type Recall (any valid type, micro): 0.7142576975877623
> Information Type F1 (any valid type, micro): 0.5508791832104367
> Information Type Accuracy (any valid type, micro): 0.3996663970885564

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run2 (NHK_run2.gz)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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albertaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.08841200732849387
  Information Type Recall (positive class, multi-type, macro): 0.15815539771758597
  Information Type F1 (positive class, multi-type, macro): 0.08658935077514171
  Information Type Accuracy (overall, multi-type, macro): 0.8873130193905818

australiaBushfire2013
  Information Type Precision (positive class, multi-type, macro): 0.0985807659306915
  Information Type Recall (positive class, multi-type, macro): 0.21665279151581157
  Information Type F1 (positive class, multi-type, macro): 0.11261725148867008
  Information Type Accuracy (overall, multi-type, macro): 0.8853766617429838

bostonBombings2013
  Information Type Precision (positive class, multi-type, macro): 0.0812926368777577
  Information Type Recall (positive class, multi-type, macro): 0.1326763897191185
  Information Type F1 (positive class, multi-type, macro): 0.09067758629203965
  Information Type Accuracy (overall, multi-type, macro): 0.8856822429906545

chileEarthquake2014
  Information Type Precision (positive class, multi-type, macro): 0.13508567614531716
  Information Type Recall (positive class, multi-type, macro): 0.15236519335680657
  Information Type F1 (positive class, multi-type, macro): 0.10164125326019414
  Information Type Accuracy (overall, multi-type, macro): 0.8945337620578779

flSchoolShooting2018
  Information Type Precision (positive class, multi-type, macro): 0.06975760614253862
  Information Type Recall (positive class, multi-type, macro): 0.14208732966514223
  Information Type F1 (positive class, multi-type, macro): 0.05907728942094606
  Information Type Accuracy (overall, multi-type, macro): 0.8641860465116278

guatemalaEarthquake2012
  Information Type Precision (positive class, multi-type, macro): 0.09699676341387571
  Information Type Recall (positive class, multi-type, macro): 0.21917073170731705
  Information Type F1 (positive class, multi-type, macro): 0.12385961090854228
  Information Type Accuracy (overall, multi-type, macro): 0.8818181818181818

italyEarthquakes2012
  Information Type Precision (positive class, multi-type, macro): 0.07917588375623509
  Information Type Recall (positive class, multi-type, macro): 0.09365858585858586
  Information Type F1 (positive class, multi-type, macro): 0.07026253615718704
  Information Type Accuracy (overall, multi-type, macro): 0.9285436893203882

joplinTornado2011
  Information Type Precision (positive class, multi-type, macro): 0.08253896678034607
  Information Type Recall (positive class, multi-type, macro): 0.1567436974789916
  Information Type F1 (positive class, multi-type, macro): 0.08804930078135337
  Information Type Accuracy (overall, multi-type, macro): 0.8770833333333334

manilaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.10561420719786004
  Information Type Recall (positive class, multi-type, macro): 0.15318469346550256
  Information Type F1 (positive class, multi-type, macro): 0.11100064830044203
  Information Type Accuracy (overall, multi-type, macro): 0.9186374695863749

nepalEarthquake2015
  Information Type Precision (positive class, multi-type, macro): 0.09669071167917913
  Information Type Recall (positive class, multi-type, macro): 0.17425272284689666
  Information Type F1 (positive class, multi-type, macro): 0.10243775935829064

   Information Type Accuracy (overall, multi-type, macro): 0.9216710046850598

parisAttacks2015
   Information Type Precision (positive class, multi-type, macro): 0.07259457149032719
   Information Type Recall (positive class, multi-type, macro): 0.09819282324644073
   Information Type F1 (positive class, multi-type, macro): 0.06874115816656579
   Information Type Accuracy (overall, multi-type, macro): 0.9118296224588579

philipinnesFloods2012
   Information Type Precision (positive class, multi-type, macro): 0.10223904123730691
   Information Type Recall (positive class, multi-type, macro): 0.1418733601580416
   Information Type F1 (positive class, multi-type, macro): 0.08802918891473849
   Information Type Accuracy (overall, multi-type, macro): 0.8901601830663617

queenslandFloods2013
   Information Type Precision (positive class, multi-type, macro): 0.10426607532212927
   Information Type Recall (positive class, multi-type, macro): 0.19111518744673822
   Information Type F1 (positive class, multi-type, macro): 0.12399480029405127
   Information Type Accuracy (overall, multi-type, macro): 0.8857784011220196

typhoonHagupit2014
   Information Type Precision (positive class, multi-type, macro): 0.11083855790569501
   Information Type Recall (positive class, multi-type, macro): 0.2540882224029719
   Information Type F1 (positive class, multi-type, macro): 0.12869460176198733
   Information Type Accuracy (overall, multi-type, macro): 0.8935177677080849

typhoonYolanda2013
   Information Type Precision (positive class, multi-type, macro): 0.09000723374585463
   Information Type Recall (positive class, multi-type, macro): 0.17093751803751808
   Information Type F1 (positive class, multi-type, macro): 0.11291010794476714
   Information Type Accuracy (overall, multi-type, macro): 0.894113475177305

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TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run2 (NHK_run2.gz)


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EVALUATON: Information Type Categorization (Multi-type)
Per Information Type Performance
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Request-GoodsServices
                         precision    recall  f1-score    support

        Other Classes        0.99      1.00      1.00      19658
Request-GoodsServices        0.00      0.00      0.00        126

          avg / total        0.99      0.99      0.99      19784



Request-SearchAndRescue
                         precision    recall  f1-score    support

        Other Classes        0.99      1.00      0.99      19498
Request-SearchAndRescue      0.00      0.00      0.00        286

          avg / total        0.97      0.99      0.98      19784



Request-InformationWanted
                         precision    recall  f1-score    support

        Other Classes        0.99      1.00      0.99      19612
Request-InformationWanted    0.10      0.05      0.07        172

          avg / total        0.98      0.99      0.99      19784



CallToAction-Volunteer
                         precision    recall  f1-score    support

        Other Classes        0.99      1.00      1.00      19668
CallToAction-Volunteer       0.00      0.00      0.00        116

          avg / total        0.99      0.99      0.99      19784



CallToAction-Donations
                         precision    recall  f1-score    support

        Other Classes        0.97      0.99      0.98      18980
CallToAction-Donations       0.45      0.26      0.33        804

          avg / total        0.95      0.96      0.95      19784



CallToAction-MovePeople
                         precision    recall  f1-score    support

        Other Classes        1.00      1.00      1.00      19757
CallToAction-MovePeople      0.07      0.15      0.09         27

          avg / total        1.00      1.00      1.00      19784



Report-FirstPartyObservation
                           precision    recall  f1-score    support

        Other Classes          0.81      0.99      0.89      15977
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Report-FirstPartyObservation       0.28       0.02       0.03       3807

                     avg / total    0.71       0.80       0.72      19784


Report-ThirdPartyObservation
                              precision    recall   f1-score   support

              Other Classes       0.79       1.00       0.88      15624
Report-ThirdPartyObservation      0.21       0.00       0.00       4160

                 avg / total      0.67       0.79       0.70      19784


Report-Weather
             precision    recall   f1-score   support

  Other Classes    0.94       0.99       0.96      18459
Report-Weather     0.45       0.09       0.15       1325

    avg / total    0.91       0.93       0.91      19784


Report-EmergingThreats
                 precision    recall   f1-score   support

       Other Classes    0.97       1.00       0.98      19098
Report-EmergingThreats   0.15       0.02       0.04        686

        avg / total      0.94       0.96       0.95      19784


Report-SignificantEventChange
                              precision    recall   f1-score   support

              Other Classes       0.98       0.99       0.99      19369
Report-SignificantEventChange     0.07       0.02       0.03        415

                 avg / total      0.96       0.97       0.97      19784


Report-MultimediaShare
                 precision    recall   f1-score   support

       Other Classes      0.83       0.86       0.85      15810
Report-MultimediaShare     0.36       0.32       0.34       3974

        avg / total        0.74       0.75       0.74      19784


Report-ServiceAvailable
                 precision    recall   f1-score   support

       Other Classes      0.95       1.00       0.97      18708
Report-ServiceAvailable    0.43       0.02       0.05       1076

        avg / total        0.92       0.95       0.92      19784


Report-Factoid
             precision    recall   f1-score   support

  Other Classes    0.89       0.94       0.92      17401
Report-Factoid     0.32       0.19       0.24       2383
```

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      avg / total        0.83        0.85        0.84       19784


Report-Official
                  precision      recall   f1-score     support

   Other Classes        0.98        0.99        0.98       19381
 Report-Official        0.16        0.13        0.14         403

      avg / total        0.97        0.97        0.97       19784


Report-CleanUp
                  precision      recall   f1-score     support

   Other Classes        1.00        1.00        1.00       19722
  Report-CleanUp        0.00        0.00        0.00          62

      avg / total        0.99        1.00        1.00       19784


Report-Hashtags
                  precision      recall   f1-score     support

   Other Classes        0.83        1.00        0.91       16421
 Report-Hashtags        0.09        0.00        0.00        3363

      avg / total        0.70        0.83        0.75       19784


Other-PastNews
                  precision      recall   f1-score     support

   Other Classes        0.93        1.00        0.96       18433
  Other-PastNews        0.11        0.01        0.01        1351

      avg / total        0.88        0.93        0.90       19784


Other-ContinuingNews
                     precision      recall   f1-score     support

        Other Classes        0.80        0.85        0.82       14913
Other-ContinuingNews        0.43        0.35        0.38        4871

         avg / total        0.71        0.73        0.72       19784


Other-Advice
                precision      recall   f1-score     support

Other Classes        0.94        0.99        0.96       18575
 Other-Advice        0.25        0.07        0.11        1209

   avg / total        0.90        0.93        0.91       19784


Other-Sentiment
                 precision      recall   f1-score     support

   Other Classes        0.75        0.90        0.82       12832
 Other-Sentiment        0.71        0.44        0.54        6952

      avg / total        0.74        0.74        0.72       19784
```

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.90	0.97	0.93	17724
Other-Discussion	0.20	0.06	0.09	2060
avg / total	0.83	0.88	0.85	19784

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.88	0.84	0.86	17179
Other-Irrelevant	0.18	0.24	0.21	2605
avg / total	0.79	0.76	0.77	19784

Other-Unknown

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19707
Other-Unknown	0.01	0.01	0.01	77
avg / total	0.99	0.99	0.99	19784

Other-KnownAlready

	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	18683
Other-KnownAlready	0.23	0.06	0.10	1101
avg / total	0.91	0.94	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run3 (NHK_run3.gz)

EVALUATON: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.2301979450160
4757
> Information Type Recall (positive class, multi-type, macro): 0.09517552659739953
> Information Type F1 (positive class, multi-type, macro):   0.11396961985697347
> Information Type Accuracy (overall, multi-type, macro):   0.9041993530125353

EVALUATON: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06110042156989138

EVALUATON: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.47006148088746325
> Information Type Recall (any valid type, micro): 0.6405026406847569
> Information Type F1 (any valid type, micro): 0.5422030370770061
> Information Type Accuracy (any valid type, micro): 0.3996158511928831

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run3 (NHK_run3.gz)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
----
albertaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.07079254801294192
  Information Type Recall (positive class, multi-type, macro): 0.1566435117187938
  Information Type F1 (positive class, multi-type, macro): 0.08173164812245685
  Information Type Accuracy (overall, multi-type, macro): 0.8879778393351799

australiaBushfire2013
  Information Type Precision (positive class, multi-type, macro): 0.0957464607565636
  Information Type Recall (positive class, multi-type, macro): 0.2267058137940491
  Information Type F1 (positive class, multi-type, macro): 0.10697934552005484
  Information Type Accuracy (overall, multi-type, macro): 0.8849039881831611

bostonBombings2013
  Information Type Precision (positive class, multi-type, macro): 0.0806107274706243
  Information Type Recall (positive class, multi-type, macro): 0.13208044951879253
  Information Type F1 (positive class, multi-type, macro): 0.09442712015327563
  Information Type Accuracy (overall, multi-type, macro): 0.8883738317757011

chileEarthquake2014
  Information Type Precision (positive class, multi-type, macro): 0.11661408455786758
  Information Type Recall (positive class, multi-type, macro): 0.1258187761894856
  Information Type F1 (positive class, multi-type, macro): 0.08041306453192591
  Information Type Accuracy (overall, multi-type, macro): 0.8940192926045016

flSchoolShooting2018
  Information Type Precision (positive class, multi-type, macro): 0.0686138975882698
  Information Type Recall (positive class, multi-type, macro): 0.14871839965346145
  Information Type F1 (positive class, multi-type, macro): 0.05947903443109575
  Information Type Accuracy (overall, multi-type, macro): 0.8646869409660108

guatemalaEarthquake2012
  Information Type Precision (positive class, multi-type, macro): 0.08984576944469992
  Information Type Recall (positive class, multi-type, macro): 0.19757694283118013
  Information Type F1 (positive class, multi-type, macro): 0.11008243553785889
  Information Type Accuracy (overall, multi-type, macro): 0.8833766233766235

italyEarthquakes2012
  Information Type Precision (positive class, multi-type, macro): 0.07785977631130525
  Information Type Recall (positive class, multi-type, macro): 0.09416666666666666
  Information Type F1 (positive class, multi-type, macro): 0.0738031827327602
  Information Type Accuracy (overall, multi-type, macro): 0.9308737864077671

joplinTornado2011
  Information Type Precision (positive class, multi-type, macro): 0.09158780682918613
  Information Type Recall (positive class, multi-type, macro): 0.149977267830209
  Information Type F1 (positive class, multi-type, macro): 0.0991824175824176
  Information Type Accuracy (overall, multi-type, macro): 0.8770833333333333

manilaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.08118759287650887
  Information Type Recall (positive class, multi-type, macro): 0.11456671402024267
  Information Type F1 (positive class, multi-type, macro): 0.08577403187349343
  Information Type Accuracy (overall, multi-type, macro): 0.9176642335766425

nepalEarthquake2015
  Information Type Precision (positive class, multi-type, macro): 0.08246779910106078
  Information Type Recall (positive class, multi-type, macro): 0.18356209006137103
  Information Type F1 (positive class, multi-type, macro): 0.08968518833135271

   Information Type Accuracy (overall, multi-type, macro): 0.9202342529932328

parisAttacks2015
   Information Type Precision (positive class, multi-type, macro): 0.08762514284916927
   Information Type Recall (positive class, multi-type, macro): 0.126299035909352
   Information Type F1 (positive class, multi-type, macro): 0.07318041048921499
   Information Type Accuracy (overall, multi-type, macro): 0.9131461761858666

philipinnesFloods2012
   Information Type Precision (positive class, multi-type, macro): 0.12413544306173396
   Information Type Recall (positive class, multi-type, macro): 0.14667465501134744
   Information Type F1 (positive class, multi-type, macro): 0.09252489923984925
   Information Type Accuracy (overall, multi-type, macro): 0.8905263157894737

queenslandFloods2013
   Information Type Precision (positive class, multi-type, macro): 0.1000139858164459
   Information Type Recall (positive class, multi-type, macro): 0.2049473424758426
   Information Type F1 (positive class, multi-type, macro): 0.12608822625621183
   Information Type Accuracy (overall, multi-type, macro): 0.8891444600280504

typhoonHagupit2014
   Information Type Precision (positive class, multi-type, macro): 0.104913034029694
   Information Type Recall (positive class, multi-type, macro): 0.2820396044121548
   Information Type F1 (positive class, multi-type, macro): 0.11861414378986729
   Information Type Accuracy (overall, multi-type, macro): 0.8941664679227285

typhoonYolanda2013
   Information Type Precision (positive class, multi-type, macro): 0.08783145179550175
   Information Type Recall (positive class, multi-type, macro): 0.16926024860807473
   Information Type F1 (positive class, multi-type, macro): 0.10909254408077955
   Information Type Accuracy (overall, multi-type, macro): 0.8956737588652481

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run3 (NHK_run3.gz)

EVALUATON: Information Type Categorization (Multi-type)
Per Information Type Performance

Request-GoodsServices

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19658
Request-GoodsServices	0.00	0.00	0.00	126
avg / total	0.99	0.99	0.99	19784

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19498
Request-SearchAndRescue	0.00	0.00	0.00	286
avg / total	0.97	0.99	0.98	19784

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19612
Request-InformationWanted	0.08	0.02	0.03	172
avg / total	0.98	0.99	0.99	19784

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19668
CallToAction-Volunteer	0.00	0.00	0.00	116
avg / total	0.99	0.99	0.99	19784

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.96	0.99	0.98	18980
CallToAction-Donations	0.46	0.13	0.20	804
avg / total	0.94	0.96	0.95	19784

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19757
CallToAction-MovePeople	0.12	0.11	0.12	27
avg / total	1.00	1.00	1.00	19784

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.81	0.99	0.89	15977

```
Report-FirstPartyObservation         0.31        0.01        0.02        3807

                    avg / total      0.71        0.81        0.72       19784


Report-ThirdPartyObservation
                              precision    recall    f1-score    support

            Other Classes         0.79        1.00        0.88       15624
Report-ThirdPartyObservation      0.36        0.00        0.00        4160

                    avg / total   0.70        0.79        0.70       19784


Report-Weather
              precision    recall    f1-score    support

 Other Classes     0.94        0.99        0.96       18459
Report-Weather     0.48        0.09        0.15        1325

    avg / total    0.91        0.93        0.91       19784


Report-EmergingThreats
                    precision    recall    f1-score    support

        Other Classes     0.97        0.99        0.98       19098
Report-EmergingThreats    0.08        0.02        0.03         686

        avg / total       0.93        0.96        0.95       19784


Report-SignificantEventChange
                              precision    recall    f1-score    support

            Other Classes         0.98        1.00        0.99       19369
Report-SignificantEventChange     0.10        0.02        0.04         415

                avg / total       0.96        0.98        0.97       19784


Report-MultimediaShare
                    precision    recall    f1-score    support

        Other Classes     0.83        0.87        0.85       15810
Report-MultimediaShare    0.38        0.31        0.34        3974

        avg / total       0.74        0.76        0.75       19784


Report-ServiceAvailable
                    precision    recall    f1-score    support

        Other Classes     0.95        1.00        0.97       18708
Report-ServiceAvailable   0.26        0.01        0.01        1076

        avg / total       0.91        0.95        0.92       19784


Report-Factoid
              precision    recall    f1-score    support

 Other Classes     0.89        0.97        0.93       17401
Report-Factoid     0.41        0.14        0.21        2383
```

```
       avg / total        0.83        0.87        0.84       19784


Report-Official
                  precision     recall    f1-score     support

   Other Classes        0.98        0.99        0.99       19381
 Report-Official        0.19        0.13        0.16         403

       avg / total        0.97        0.97        0.97       19784


Report-CleanUp
                  precision     recall    f1-score     support

   Other Classes        1.00        1.00        1.00       19722
  Report-CleanUp        0.00        0.00        0.00          62

       avg / total        0.99        1.00        1.00       19784


Report-Hashtags
                  precision     recall    f1-score     support

   Other Classes        0.83        1.00        0.91       16421
 Report-Hashtags        0.00        0.00        0.00        3363

       avg / total        0.69        0.83        0.75       19784


Other-PastNews
                  precision     recall    f1-score     support

   Other Classes        0.93        1.00        0.96       18433
  Other-PastNews        0.50        0.00        0.00        1351

       avg / total        0.90        0.93        0.90       19784


Other-ContinuingNews
                     precision      recall    f1-score      support

       Other Classes        0.81        0.84        0.83       14913
 Other-ContinuingNews        0.45        0.39        0.42        4871

          avg / total        0.72        0.73        0.72       19784


Other-Advice
                 precision     recall    f1-score     support

Other Classes        0.94        0.98        0.96       18575
 Other-Advice        0.25        0.11        0.15        1209

   avg / total        0.90        0.93        0.91       19784


Other-Sentiment
                 precision     recall    f1-score     support

   Other Classes        0.74        0.92        0.82       12832
 Other-Sentiment        0.73        0.42        0.53        6952

      avg / total        0.74        0.74        0.72       19784
```

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.90	0.97	0.93	17724
Other-Discussion	0.20	0.06	0.09	2060
avg / total	0.83	0.88	0.85	19784

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.89	0.78	0.83	17179
Other-Irrelevant	0.19	0.33	0.24	2605
avg / total	0.79	0.72	0.75	19784

Other-Unknown

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19707
Other-Unknown	0.01	0.01	0.01	77
avg / total	0.99	0.99	0.99	19784

Other-KnownAlready

	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.97	18683
Other-KnownAlready	0.21	0.07	0.10	1101
avg / total	0.91	0.93	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run4 (NHK_run4.gz)

EVALUATON: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.2072753155061
3687
> Information Type Recall (positive class, multi-type, macro): 0.0784025612677034
> Information Type F1 (positive class, multi-type, macro):   0.08777132414779532
> Information Type Accuracy (overall, multi-type, macro):   0.9000869389405579

EVALUATON: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06629865026062737

EVALUATON: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.47292053315336596
> Information Type Recall (any valid type, micro): 0.4575206071982372
> Information Type F1 (any valid type, micro): 0.46509312647778656
> Information Type Accuracy (any valid type, micro): 0.3482106752931662

```
TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run4 (NHK_run4.gz)


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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
----------------------------------------------------
albertaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.09385204348586361
  Information Type Recall (positive class, multi-type, macro): 0.16908043212393534
  Information Type F1 (positive class, multi-type, macro): 0.07549460091912613
  Information Type Accuracy (overall, multi-type, macro): 0.8831024930747925

australiaBushfire2013
  Information Type Precision (positive class, multi-type, macro): 0.08931499667635734
  Information Type Recall (positive class, multi-type, macro): 0.24551598311103523
  Information Type F1 (positive class, multi-type, macro): 0.09348939180182057
  Information Type Accuracy (overall, multi-type, macro): 0.8832496307237814

bostonBombings2013
  Information Type Precision (positive class, multi-type, macro): 0.07723776384379154
  Information Type Recall (positive class, multi-type, macro): 0.1415556370065757
  Information Type F1 (positive class, multi-type, macro): 0.08883824792604758
  Information Type Accuracy (overall, multi-type, macro): 0.8892710280373831

chileEarthquake2014
  Information Type Precision (positive class, multi-type, macro): 0.09349085771759795
  Information Type Recall (positive class, multi-type, macro): 0.11277261081754703
  Information Type F1 (positive class, multi-type, macro): 0.050412104900925125
  Information Type Accuracy (overall, multi-type, macro): 0.885016077170418

flSchoolShooting2018
  Information Type Precision (positive class, multi-type, macro): 0.06172643813757683
  Information Type Recall (positive class, multi-type, macro): 0.10021937241467434
  Information Type F1 (positive class, multi-type, macro): 0.04187151536479375
  Information Type Accuracy (overall, multi-type, macro): 0.8595348837209303

guatemalaEarthquake2012
  Information Type Precision (positive class, multi-type, macro): 0.07426131162762178
  Information Type Recall (positive class, multi-type, macro): 0.17077694235588972
  Information Type F1 (positive class, multi-type, macro): 0.09136898467604279
  Information Type Accuracy (overall, multi-type, macro): 0.8776623376623378

italyEarthquakes2012
  Information Type Precision (positive class, multi-type, macro): 0.07401059578027697
  Information Type Recall (positive class, multi-type, macro): 0.08599317988064792
  Information Type F1 (positive class, multi-type, macro): 0.07119080459770116
  Information Type Accuracy (overall, multi-type, macro): 0.9401941747572815

joplinTornado2011
  Information Type Precision (positive class, multi-type, macro): 0.07711793187655257
  Information Type Recall (positive class, multi-type, macro): 0.11051960784313726
  Information Type F1 (positive class, multi-type, macro): 0.074678685089644
  Information Type Accuracy (overall, multi-type, macro): 0.8804166666666667

manilaFloods2013
  Information Type Precision (positive class, multi-type, macro): 0.07009769897814512
  Information Type Recall (positive class, multi-type, macro): 0.08322842049892287
  Information Type F1 (positive class, multi-type, macro): 0.07047588743099578
  Information Type Accuracy (overall, multi-type, macro): 0.9217518248175183

nepalEarthquake2015
  Information Type Precision (positive class, multi-type, macro): 0.06698112070737883
  Information Type Recall (positive class, multi-type, macro): 0.13168537980365463
  Information Type F1 (positive class, multi-type, macro): 0.058301598744969846
```

   Information Type Accuracy (overall, multi-type, macro): 0.9139666840187403

parisAttacks2015
   Information Type Precision (positive class, multi-type, macro): 0.08674995394996772
   Information Type Recall (positive class, multi-type, macro): 0.07587506945827785
   Information Type F1 (positive class, multi-type, macro): 0.07497645400363717
   Information Type Accuracy (overall, multi-type, macro): 0.9158567279767666

philipinnesFloods2012
   Information Type Precision (positive class, multi-type, macro): 0.11800049927736173
   Information Type Recall (positive class, multi-type, macro): 0.1803262528810379
   Information Type F1 (positive class, multi-type, macro): 0.08247562076960514
   Information Type Accuracy (overall, multi-type, macro): 0.8841189931350115

queenslandFloods2013
   Information Type Precision (positive class, multi-type, macro): 0.08732872722906482
   Information Type Recall (positive class, multi-type, macro): 0.1741995843073191
   Information Type F1 (positive class, multi-type, macro): 0.0995896261492271
   Information Type Accuracy (overall, multi-type, macro): 0.8870126227208975

typhoonHagupit2014
   Information Type Precision (positive class, multi-type, macro): 0.08468755788655596
   Information Type Recall (positive class, multi-type, macro): 0.16900819198614236
   Information Type F1 (positive class, multi-type, macro): 0.08613093235982947
   Information Type Accuracy (overall, multi-type, macro): 0.889186739804436

typhoonYolanda2013
   Information Type Precision (positive class, multi-type, macro): 0.07125660342786645
   Information Type Recall (positive class, multi-type, macro): 0.14808110157460025
   Information Type F1 (positive class, multi-type, macro): 0.08405262613687388
   Information Type Accuracy (overall, multi-type, macro): 0.8904255319148937

```
TREC-IS 2018 Notebook Evaluator v1.0
Run: NHK_run4 (NHK_run4.gz)


-----------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Information Type Performance
-----------------------------------------------------
Request-GoodsServices
                        precision    recall   f1-score    support

        Other Classes       0.99      1.00       1.00       19658
Request-GoodsServices       0.00      0.00       0.00         126

         avg / total        0.99      0.99       0.99       19784


Request-SearchAndRescue
                        precision    recall   f1-score    support

        Other Classes       0.99      1.00       0.99       19498
Request-SearchAndRescue     0.00      0.00       0.00         286

         avg / total        0.97      0.99       0.98       19784


Request-InformationWanted
                        precision    recall   f1-score    support

        Other Classes       0.99      1.00       1.00       19612
Request-InformationWanted   0.00      0.00       0.00         172

         avg / total        0.98      0.99       0.99       19784


CallToAction-Volunteer
                        precision    recall   f1-score    support

        Other Classes       0.99      1.00       1.00       19668
CallToAction-Volunteer      0.00      0.00       0.00         116

         avg / total        0.99      0.99       0.99       19784


CallToAction-Donations
                        precision    recall   f1-score    support

        Other Classes       0.96      1.00       0.98       18980
CallToAction-Donations      0.54      0.07       0.13         804

         avg / total        0.94      0.96       0.94       19784


CallToAction-MovePeople
                        precision    recall   f1-score    support

        Other Classes       1.00      1.00       1.00       19757
CallToAction-MovePeople     0.08      0.07       0.08          27

         avg / total        1.00      1.00       1.00       19784


Report-FirstPartyObservation
                        precision    recall   f1-score    support

        Other Classes       0.81      1.00       0.89       15977
```

```
Report-FirstPartyObservation          0.27        0.00        0.01        3807

                      avg / total     0.70        0.81        0.72       19784


Report-ThirdPartyObservation
                                   precision    recall   f1-score    support

                   Other Classes      0.79        1.00        0.88       15624
    Report-ThirdPartyObservation      0.50        0.00        0.00        4160

                      avg / total     0.73        0.79        0.70       19784


Report-Weather
                 precision    recall   f1-score    support

   Other Classes     0.94        0.99        0.96       18459
  Report-Weather     0.46        0.09        0.15        1325

     avg / total     0.91        0.93        0.91       19784


Report-EmergingThreats
                     precision    recall   f1-score    support

         Other Classes     0.97        1.00        0.98       19098
Report-EmergingThreats     0.11        0.01        0.01         686

           avg / total     0.94        0.96        0.95       19784


Report-SignificantEventChange
                                   precision    recall   f1-score    support

                   Other Classes      0.98        1.00        0.99       19369
   Report-SignificantEventChange      0.25        0.01        0.01         415

                      avg / total     0.96        0.98        0.97       19784


Report-MultimediaShare
                        precision    recall   f1-score    support

            Other Classes     0.83        0.86        0.85       15810
   Report-MultimediaShare     0.36        0.31        0.33        3974

              avg / total     0.74        0.75        0.74       19784


Report-ServiceAvailable
                       precision    recall   f1-score    support

           Other Classes     0.95        1.00        0.97       18708
  Report-ServiceAvailable     0.00        0.00        0.00        1076

             avg / total     0.89        0.95        0.92       19784


Report-Factoid
                 precision    recall   f1-score    support

   Other Classes     0.89        0.98        0.93       17401
  Report-Factoid     0.37        0.09        0.15        2383
```

```
       avg / total        0.83        0.87        0.84        19784


Report-Official
                  precision      recall    f1-score     support

   Other Classes        0.98        1.00        0.99       19381
 Report-Official        0.21        0.04        0.06         403

     avg / total        0.96        0.98        0.97       19784


Report-CleanUp
                  precision      recall    f1-score     support

   Other Classes        1.00        1.00        1.00       19722
  Report-CleanUp        0.00        0.00        0.00          62

     avg / total        0.99        1.00        1.00       19784


Report-Hashtags
                  precision      recall    f1-score     support

   Other Classes        0.83        1.00        0.91       16421
 Report-Hashtags        0.00        0.00        0.00        3363

     avg / total        0.69        0.83        0.75       19784


Other-PastNews
                  precision      recall    f1-score     support

   Other Classes        0.93        1.00        0.96       18433
  Other-PastNews        0.00        0.00        0.00        1351

     avg / total        0.87        0.93        0.90       19784


Other-ContinuingNews
                    precision      recall    f1-score      support

         Other Classes      0.80        0.86        0.83        14913
  Other-ContinuingNews      0.44        0.34        0.39         4871

          avg / total       0.71        0.73        0.72        19784


Other-Advice
                precision      recall    f1-score     support

Other Classes        0.94        0.99        0.97       18575
 Other-Advice        0.31        0.04        0.07        1209

   avg / total        0.90        0.94        0.91       19784


Other-Sentiment
                precision      recall    f1-score     support

   Other Classes      0.71        0.94        0.81       12832
 Other-Sentiment      0.75        0.30        0.43        6952

     avg / total      0.73        0.72        0.68       19784
```

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.90	1.00	0.94	17724
Other-Discussion	0.16	0.01	0.01	2060
avg / total	0.82	0.89	0.85	19784

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.89	0.61	0.73	17179
Other-Irrelevant	0.16	0.49	0.24	2605
avg / total	0.79	0.60	0.66	19784

Other-Unknown

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19707
Other-Unknown	0.00	0.00	0.00	77
avg / total	0.99	1.00	0.99	19784

Other-KnownAlready

	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.96	18683
Other-KnownAlready	0.20	0.08	0.11	1101
avg / total	0.91	0.93	0.92	19784