```
TREC-IS 2019-B Notebook Evaluator v2.3
Run: BJUTDMS-run2 (BJUTDMS-run2.run.txt)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.9942363112391931
> Low Importance Alert Worth:   -2.4165124064180217e-05
> Accumulated Alert Worth:      -0.49713023818162866


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.08383636664179117
> Information Type Recall (positive class, multi-type, macro):  0.4514856524669608
> Information Type F1 (positive class, multi-type, macro):      0.09986557398963364
> Information Type Accuracy (overall, multi-type, macro):       0.5565343638110208
> High Importance Information Type Precision (positive class, multi-type, macro):      0.014683089150306139
> High Importance Information Type Recall (positive class, multi-type, macro):  0.37021872146398743
> High Importance Information Type F1 (positive class, multi-type, macro):      0.023680737740721405
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.6120426163653828
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.10688745913895283
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.4785746294679519
> Low Importance Information Type F1 (positive class, multi-type, macro):      0.125260519405937771
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.538031612959567


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.056281699400550673
> Priority Estimation Error High Importance (mean squared error, macro): 0.11502560897106125
> Priority Estimation Error Low Importance (mean squared error, macro): 0.03670039621038047


--------------------------------------------------
LATEX
--------------------------------------------------
BJUTDMS-run2 & -0.9942 & -0.4971 & 0.0237 & 0.1100 & 0.5565 & 0.1150 & 0.0563 \\
```

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TREC-IS 2019-B Notebook Evaluator v2.3
Run: BJUTDMS-run2 (BJUTDMS-run2.run.txt)


--------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
--------------------------------------------------
floodChoco2019
  Information Type Precision (positive class, multi-type, macro): 0.042603475915377435
  Information Type Recall (positive class, multi-type, macro): 0.2708333333333333
  Information Type F1 (positive class, multi-type, macro): 0.04625890834428837
  Information Type Accuracy (overall, multi-type, macro): 0.5777634961439588
  High Importance Information Type Precision (positive class, multi-type, macro): 0.004267487136698652
  High Importance Information Type Recall (positive class, multi-type, macro): 0.25
  High Importance Information Type F1 (positive class, multi-type, macro): 0.008220109822657974
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6520994001713796
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.055382138841603694
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2777777777777778
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.058938507851498505
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5529848614681521

earthquakeCalifornia2014
  Information Type Precision (positive class, multi-type, macro): 0.046173277582062404
  Information Type Recall (positive class, multi-type, macro): 0.3263888888888889
  Information Type F1 (positive class, multi-type, macro): 0.06551992719189716
  Information Type Accuracy (overall, multi-type, macro): 0.47703412073490803
  High Importance Information Type Precision (positive class, multi-type, macro): 0.015873015873015872
  High Importance Information Type Recall (positive class, multi-type, macro): 0.06666666666666667
  High Importance Information Type F1 (positive class, multi-type, macro): 0.025641025641025644
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.631233595800525
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05627336481841125
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4129629629629629
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07881289437552101
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.4256342957130359

earthquakeBohol2013
  Information Type Precision (positive class, multi-type, macro): 0.10680918903640518
  Information Type Recall (positive class, multi-type, macro): 0.49720683728036663
  Information Type F1 (positive class, multi-type, macro): 0.09740126177100034
  Information Type Accuracy (overall, multi-type, macro): 0.5300215401184706
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0015472822137055622
  High Importance Information Type Recall (positive class, multi-type, macro): 0.38888888888888884
  High Importance Information Type F1 (positive class, multi-type, macro): 0.003074228571662955
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6176628971459343
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1418964913106384
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5333128200775259
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.12884360617077947
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5008077544426494

hurricaneFlorence2018
  Information Type Precision (positive class, multi-type, macro): 0.07300493262157486
  Information Type Recall (positive class, multi-type, macro): 0.4471663973255196
  Information Type F1 (positive class, multi-type, macro): 0.09800464232661064
  Information Type Accuracy (overall, multi-type, macro): 0.5634253701480593
  High Importance Information Type Precision (positive class, multi-type, macro): 0.028691517264978175
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3684871959418164
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04034909181488009
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.6251834066960117
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08777607107377378
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4733927977867541
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.11722315916385415
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5428393579654084

shootingDallas2017
  Information Type Precision (positive class, multi-type, macro): 0.06546371253749424
  Information Type Recall (positive class, multi-type, macro): 0.3389949834881998
  Information Type F1 (positive class, multi-type, macro): 0.07849768494514732
  Information Type Accuracy (overall, multi-type, macro): 0.5331041666666667
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0013418938962539955
  High Importance Information Type Recall (positive class, multi-type, macro): 0.25
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0026463246251126112
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.5754166666666668
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08683765208457432
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.36865997798426636
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.103781471171848773
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5190000000000001

fireYMM2016
  Information Type Precision (positive class, multi-type, macro): 0.11081099365401605
  Information Type Recall (positive class, multi-type, macro): 0.4212278501072535
  Information Type F1 (positive class, multi-type, macro): 0.10999699451164736
  Information Type Accuracy (overall, multi-type, macro): 0.5804791666666665
```

```
High Importance Information Type Precision (positive class, multi-type, macro): 0.02050451450008822
High Importance Information Type Recall (positive class, multi-type, macro): 0.3578579606261978
High Importance Information Type F1 (positive class, multi-type, macro): 0.035233000035314405
High Importance Information Type Accuracy (overall, multi-type, macro): 0.6214999999999999
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14091315337199198
Low Importance Information Type Recall (positive class, multi-type, macro): 0.44235114660093877
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13491832600375836
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5668055555555555
```

```
TREC-IS 2019-B Notebook Evaluator v2.3
Run: BJUTDMS-run2 (BJUTDMS-run2.run.txt)


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

        Other Classes     1.00       0.19       0.32       7611
Request-GoodsServices     0.00       0.83       0.01         23

            micro avg     0.19       0.19       0.19       7634
            macro avg     0.50       0.51       0.16       7634
         weighted avg     0.99       0.19       0.32       7634


Request-SearchAndRescue
                      precision    recall   f1-score    support

         Other Classes    1.00       0.99       1.00       7624
Request-SearchAndRescue    0.00       0.00       0.00         10

            micro avg     0.99       0.99       0.99       7634
            macro avg     0.50       0.50       0.50       7634
         weighted avg     1.00       0.99       1.00       7634


Request-InformationWanted
                      precision    recall   f1-score    support

          Other Classes    0.99      0.97       0.98       7563
Request-InformationWanted   0.00      0.01       0.01         71

            micro avg     0.96       0.96       0.96       7634
            macro avg     0.50       0.49       0.49       7634
         weighted avg     0.98       0.96       0.97       7634


CallToAction-Volunteer
                      precision    recall   f1-score    support

         Other Classes    0.99       0.19       0.31       7610
CallToAction-Volunteer    0.00       0.67       0.01         24

            micro avg     0.19       0.19       0.19       7634
            macro avg     0.50       0.43       0.16       7634
         weighted avg     0.99       0.19       0.31       7634


CallToAction-Donations
                      precision    recall   f1-score    support

         Other Classes    1.00       0.04       0.09       7556
CallToAction-Donations    0.01       0.99       0.02         78

            micro avg     0.05       0.05       0.05       7634
            macro avg     0.50       0.52       0.05       7634
         weighted avg     0.99       0.05       0.08       7634


CallToAction-MovePeople
                      precision    recall   f1-score    support

         Other Classes    0.99       1.00       0.99       7526
CallToAction-MovePeople    0.00       0.00       0.00        108

            micro avg     0.98       0.98       0.98       7634
            macro avg     0.49       0.50       0.50       7634
         weighted avg     0.97       0.98       0.98       7634


Report-FirstPartyObservation
                         precision    recall   f1-score    support

            Other Classes    0.95       0.03       0.06       7150
Report-FirstPartyObservation    0.06       0.97       0.12        484

               micro avg     0.09       0.09       0.09       7634
               macro avg     0.51       0.50       0.09       7634
            weighted avg     0.89       0.09       0.07       7634
```

```
Report-ThirdPartyObservation
                                precision      recall   f1-score     support

              Other Classes        0.96         0.99       0.98        7317
Report-ThirdPartyObservation        0.04         0.01       0.01         317

                  micro avg        0.95         0.95       0.95        7634
                  macro avg        0.50         0.50       0.49        7634
               weighted avg        0.92         0.95       0.94        7634


Report-Weather
                 precision      recall   f1-score      support

  Other Classes      0.96         1.00       0.98        7334
 Report-Weather      0.00         0.00       0.00         300

      micro avg      0.96         0.96       0.96        7634
      macro avg      0.48         0.50       0.49        7634
   weighted avg      0.92         0.96       0.94        7634


Report-EmergingThreats
                         precision      recall   f1-score     support

          Other Classes      0.93         0.50       0.65        7168
 Report-EmergingThreats      0.05         0.39       0.09         466

              micro avg      0.50         0.50       0.50        7634
              macro avg      0.49         0.45       0.37        7634
           weighted avg      0.87         0.50       0.62        7634


Report-NewSubEvent
                     precision      recall   f1-score     support

      Other Classes      0.98         0.99       0.99        7492
 Report-NewSubEvent      0.02         0.01       0.01         142

          micro avg      0.97         0.97       0.97        7634
          macro avg      0.50         0.50       0.50        7634
       weighted avg      0.96         0.97       0.97        7634


Report-MultimediaShare
                         precision      recall   f1-score     support

          Other Classes      0.79         0.93       0.86        6034
 Report-MultimediaShare      0.23         0.08       0.12        1600

              micro avg      0.75         0.75       0.75        7634
              macro avg      0.51         0.51       0.49        7634
           weighted avg      0.68         0.75       0.70        7634


Report-ServiceAvailable
                         precision      recall   f1-score     support

          Other Classes      0.99         0.01       0.03        7484
 Report-ServiceAvailable      0.02         0.99       0.04         150

              micro avg      0.03         0.03       0.03        7634
              macro avg      0.50         0.50       0.03        7634
           weighted avg      0.97         0.03       0.03        7634


Report-Factoid
                 precision      recall   f1-score      support

  Other Classes      0.87         0.99       0.93        6625
 Report-Factoid      0.22         0.01       0.02        1009

      micro avg      0.86         0.86       0.86        7634
      macro avg      0.55         0.50       0.48        7634
   weighted avg      0.78         0.86       0.81        7634


Report-Official
                 precision      recall   f1-score      support
```

```
      Other Classes       0.96      0.07      0.12      7404
    Report-Official       0.03      0.92      0.06       230

         micro avg        0.09      0.09      0.09      7634
         macro avg        0.50      0.49      0.09      7634
      weighted avg        0.93      0.09      0.12      7634


Report-News
                    precision    recall  f1-score   support

      Other Classes       0.81      1.00      0.89      6158
        Report-News       0.00      0.00      0.00      1476

         micro avg        0.81      0.81      0.81      7634
         macro avg        0.40      0.50      0.45      7634
      weighted avg        0.65      0.81      0.72      7634


Report-CleanUp
                    precision    recall  f1-score   support

      Other Classes       0.99      0.42      0.59      7559
     Report-CleanUp       0.01      0.64      0.02        75

         micro avg        0.42      0.42      0.42      7634
         macro avg        0.50      0.53      0.31      7634
      weighted avg        0.98      0.42      0.58      7634


Report-Hashtags
                    precision    recall  f1-score   support

      Other Classes       0.00      0.00      0.00      3789
    Report-Hashtags       0.50      1.00      0.67      3845

         micro avg        0.50      0.50      0.50      7634
         macro avg        0.25      0.50      0.33      7634
      weighted avg        0.25      0.50      0.34      7634


Report-OriginalEvent
                       precision    recall  f1-score   support

       Other Classes       0.88      0.90      0.89      6750
Report-OriginalEvent       0.09      0.07      0.08       884

            micro avg      0.81      0.81      0.81      7634
            macro avg      0.48      0.49      0.48      7634
         weighted avg      0.79      0.81      0.80      7634


Other-ContextualInformation
                             precision    recall  f1-score   support

             Other Classes       0.96      0.99      0.98      7364
Other-ContextualInformation       0.01      0.00      0.01       270

               micro avg         0.95      0.95      0.95      7634
               macro avg         0.49      0.50      0.49      7634
            weighted avg         0.93      0.95      0.94      7634


Other-Advice
                    precision    recall  f1-score   support

      Other Classes       0.94      0.41      0.57      7183
       Other-Advice       0.06      0.56      0.10       451

         micro avg        0.42      0.42      0.42      7634
         macro avg        0.50      0.49      0.34      7634
      weighted avg        0.89      0.42      0.55      7634


Other-Sentiment
                    precision    recall  f1-score   support

      Other Classes       0.00      0.00      0.00      5844
    Other-Sentiment       0.23      1.00      0.38      1790

         micro avg        0.23      0.23      0.23      7634
         macro avg        0.12      0.50      0.19      7634
```

	precision	recall	f1-score	support
weighted avg	0.05	0.23	0.09	7634

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.91	0.25	0.39	7064
Other-Discussion	0.07	0.69	0.12	570
micro avg	0.28	0.28	0.28	7634
macro avg	0.49	0.47	0.26	7634
weighted avg	0.84	0.28	0.37	7634

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	5013
Other-Irrelevant	0.34	1.00	0.51	2621
micro avg	0.34	0.34	0.34	7634
macro avg	0.17	0.50	0.26	7634
weighted avg	0.12	0.34	0.18	7634

	precision	recall	f1-score	support
Other Classes	0.91	0.25	0.39	7064