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


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.9867435158501441
> Low Importance Alert Worth:   -0.00043248566866542395
> Accumulated Alert Worth:      -0.49358800075940473


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.18556162059701986
> Information Type Recall (positive class, multi-type, macro):  0.17134302029221513
> Information Type F1 (positive class, multi-type, macro):      0.12284040411461657
> Information Type Accuracy (overall, multi-type, macro):       0.8734062527290193
> High Importance Information Type Precision (positive class, multi-type, macro):     0.03278078339183547
> High Importance Information Type Recall (positive class, multi-type, macro):  0.12369098712446353
> High Importance Information Type F1 (positive class, multi-type, macro):      0.04093768469709435
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.962361365819579
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.23648856633208137
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.1872270313481323
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.150141310587123 96
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.8437545483654993


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.07434962531176338
> Priority Estimation Error High Importance (mean squared error, macro): 0.15709404453584158
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04676815223707064


--------------------------------------------------
LATEX
--------------------------------------------------
rf & -0.9867 & -0.4936 & 0.0409 & 0.1419 & 0.8734 & 0.1571 & 0.0743 \\
```

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TREC-IS 2019-B Notebook Evaluator v2.3
Run: rf (rf.run)


-------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
-------------------------------------------------
floodChoco2019
  Information Type Precision (positive class, multi-type, macro): 0.049760844508743664
  Information Type Recall (positive class, multi-type, macro): 0.07191290431266846
  Information Type F1 (positive class, multi-type, macro): 0.014047684236976351
  Information Type Accuracy (overall, multi-type, macro): 0.8744644387317911
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9511568123393316
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.06634779267832489
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.09588387241689128
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0187302456493018
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8489003141959439

earthquakeCalifornia2014
  Information Type Precision (positive class, multi-type, macro): 0.07118768328445747
  Information Type Recall (positive class, multi-type, macro): 0.12094013308134498
  Information Type F1 (positive class, multi-type, macro): 0.082101716621350312
  Information Type Accuracy (overall, multi-type, macro): 0.9068241469816275
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9816272965879266
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.0949169110459433
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.16125351077512662
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1094689549513375
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8818897637795277

earthquakeBohol2013
  Information Type Precision (positive class, multi-type, macro): 0.22383068568927356
  Information Type Recall (positive class, multi-type, macro): 0.17167493483915988
  Information Type F1 (positive class, multi-type, macro): 0.13356954249040737
  Information Type Accuracy (overall, multi-type, macro): 0.8922320947765212
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9881529348411416
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.29844091425236474
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.22889991311887986
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17809272332054316
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8602584814216477

hurricaneFlorence2018
  Information Type Precision (positive class, multi-type, macro): 0.16698179125704873
  Information Type Recall (positive class, multi-type, macro): 0.1558872894352305
  Information Type F1 (positive class, multi-type, macro): 0.100400726649522623
  Information Type Accuracy (overall, multi-type, macro): 0.8677304255035346
  High Importance Information Type Precision (positive class, multi-type, macro): 0.04097714736012608
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0719861311973894
  High Importance Information Type F1 (positive class, multi-type, macro): 0.03572173750122422
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9615179405095371
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.20898333922268963
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.18385434218117752
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.12196038949322685
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8364679205015337

shootingDallas2017
  Information Type Precision (positive class, multi-type, macro): 0.11322457952666669
  Information Type Recall (positive class, multi-type, macro): 0.15435746195351127
  Information Type F1 (positive class, multi-type, macro): 0.07887884189585796
  Information Type Accuracy (overall, multi-type, macro): 0.8838333333333334
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9936666666666666
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.15096610603555558
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.20580994927134835
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10517178919447728
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8472222222222222

fireYMM2016
  Information Type Precision (positive class, multi-type, macro): 0.166360624751255
  Information Type Recall (positive class, multi-type, macro): 0.1868572743227508
  Information Type F1 (positive class, multi-type, macro): 0.14190838710082085
  Information Type Accuracy (overall, multi-type, macro): 0.8619166666666667
```

```
High Importance Information Type Precision (positive class, multi-type, macro): 0.03238167883476808
High Importance Information Type Recall (positive class, multi-type, macro): 0.17702448210922786
High Importance Information Type F1 (positive class, multi-type, macro): 0.0531119311119311194
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9250833333333334
Low Importance Information Type Precision (positive class, multi-type, macro): 0.21102027339008397
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19013487172725846
Low Importance Information Type F1 (positive class, multi-type, macro): 0.17150720576132408
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8408611111111113
```

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TREC-IS 2019-B Notebook Evaluator v2.3
Run: rf (rf.run)


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

      Other Classes      1.00       1.00       1.00       7611
Request-GoodsServices    0.00       0.00       0.00         23

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



Request-SearchAndRescue
                      precision    recall   f1-score    support

      Other Classes      1.00       1.00       1.00       7624
Request-SearchAndRescue  0.06       0.20       0.09         10

          micro avg      0.99       0.99       0.99       7634
          macro avg      0.53       0.60       0.55       7634
       weighted avg      1.00       0.99       1.00       7634



Request-InformationWanted
                      precision    recall   f1-score    support

      Other Classes      0.99       1.00       1.00       7564
Request-InformationWanted 0.00      0.00       0.00         70

          micro avg      0.99       0.99       0.99       7634
          macro avg      0.50       0.50       0.50       7634
       weighted avg      0.98       0.99       0.99       7634



CallToAction-Volunteer
                      precision    recall   f1-score    support

      Other Classes      1.00       1.00       1.00       7611
CallToAction-Volunteer   0.00       0.00       0.00         23

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



CallToAction-Donations
                      precision    recall   f1-score    support

      Other Classes      0.99       1.00       1.00       7556
CallToAction-Donations   0.58       0.28       0.38         78

          micro avg      0.99       0.99       0.99       7634
          macro avg      0.79       0.64       0.69       7634
       weighted avg      0.99       0.99       0.99       7634



CallToAction-MovePeople
                      precision    recall   f1-score    support

      Other Classes      0.99       1.00       0.99       7527
CallToAction-MovePeople  0.00       0.00       0.00        107

          micro avg      0.99       0.99       0.99       7634
          macro avg      0.49       0.50       0.50       7634
       weighted avg      0.97       0.99       0.98       7634



Report-FirstPartyObservation
                      precision    recall   f1-score    support

      Other Classes      0.93       0.93       0.93       7150
Report-FirstPartyObservation 0.02    0.02      0.02        484

          micro avg      0.87       0.87       0.87       7634
          macro avg      0.48       0.48       0.48       7634
       weighted avg      0.88       0.87       0.88       7634
```

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

            Other Classes      0.96       0.90       0.93        7317
Report-ThirdPartyObservation   0.07       0.19       0.10         317

                micro avg      0.87       0.87       0.87        7634
                macro avg      0.52       0.54       0.52        7634
             weighted avg      0.93       0.87       0.89        7634


Report-Weather
               precision    recall   f1-score    support

 Other Classes    0.96       1.00       0.98        7334
Report-Weather    0.50       0.01       0.02         300

    micro avg     0.96       0.96       0.96        7634
    macro avg     0.73       0.50       0.50        7634
 weighted avg     0.94       0.96       0.94        7634


Report-EmergingThreats
                        precision    recall   f1-score    support

        Other Classes      0.94       1.00       0.97        7168
Report-EmergingThreats     0.05       0.00       0.00         466

            micro avg      0.94       0.94       0.94        7634
            macro avg      0.49       0.50       0.49        7634
         weighted avg      0.88       0.94       0.91        7634


Report-NewSubEvent
                     precision    recall   f1-score    support

     Other Classes     0.98       1.00       0.99        7493
Report-NewSubEvent     0.00       0.00       0.00         141

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


Report-MultimediaShare
                        precision    recall   f1-score    support

        Other Classes      0.88       0.83       0.85        6034
Report-MultimediaShare     0.48       0.59       0.53        1600

            micro avg      0.78       0.78       0.78        7634
            macro avg      0.68       0.71       0.69        7634
         weighted avg      0.80       0.78       0.79        7634


Report-ServiceAvailable
                         precision    recall   f1-score    support

         Other Classes      0.99       0.89       0.93        7484
Report-ServiceAvailable     0.09       0.54       0.15         150

             micro avg      0.88       0.88       0.88        7634
             macro avg      0.54       0.71       0.54        7634
          weighted avg      0.97       0.88       0.92        7634


Report-Factoid
               precision    recall   f1-score    support

 Other Classes    0.90       0.92       0.91        6625
Report-Factoid    0.39       0.35       0.37        1009

    micro avg     0.84       0.84       0.84        7634
    macro avg     0.65       0.63       0.64        7634
 weighted avg     0.83       0.84       0.84        7634


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

```
      Other Classes       0.97      1.00      0.98      7405
    Report-Official       0.00      0.00      0.00       229

          micro avg       0.97      0.97      0.97      7634
          macro avg       0.49      0.50      0.49      7634
       weighted avg       0.94      0.97      0.96      7634


Report-News
                     precision    recall  f1-score   support

      Other Classes       0.94      0.44      0.60      6158
        Report-News       0.28      0.89      0.42      1476

          micro avg       0.53      0.53      0.53      7634
          macro avg       0.61      0.67      0.51      7634
       weighted avg       0.81      0.53      0.57      7634


Report-CleanUp
                     precision    recall  f1-score   support

      Other Classes       0.99      1.00      1.00      7560
     Report-CleanUp       0.00      0.00      0.00        74

          micro avg       0.99      0.99      0.99      7634
          macro avg       0.50      0.50      0.50      7634
       weighted avg       0.98      0.99      0.99      7634


Report-Hashtags
                     precision    recall  f1-score   support

      Other Classes       0.51      0.98      0.67      3789
    Report-Hashtags       0.74      0.07      0.12      3845

          micro avg       0.52      0.52      0.52      7634
          macro avg       0.63      0.52      0.39      7634
       weighted avg       0.63      0.52      0.39      7634


Report-OriginalEvent
                       precision    recall  f1-score   support

        Other Classes       0.88      1.00      0.94      6751
 Report-OriginalEvent       0.00      0.00      0.00       883

            micro avg       0.88      0.88      0.88      7634
            macro avg       0.44      0.50      0.47      7634
         weighted avg       0.78      0.88      0.83      7634


Other-ContextualInformation
                              precision    recall  f1-score   support

               Other Classes       0.96      0.95      0.96      7364
 Other-ContextualInformation       0.02      0.03      0.02       270

                   micro avg       0.92      0.92      0.92      7634
                   macro avg       0.49      0.49      0.49      7634
                weighted avg       0.93      0.92      0.92      7634


Other-Advice
                     precision    recall  f1-score   support

      Other Classes       0.94      1.00      0.97      7184
       Other-Advice       0.00      0.00      0.00       450

          micro avg       0.94      0.94      0.94      7634
          macro avg       0.47      0.50      0.48      7634
       weighted avg       0.89      0.94      0.91      7634


Other-Sentiment
                     precision    recall  f1-score   support

      Other Classes       0.89      0.72      0.80      5844
     Other-Sentiment       0.44      0.72      0.55      1790

          micro avg       0.72      0.72      0.72      7634
          macro avg       0.67      0.72      0.67      7634
```

| weighted avg | 0.79 | 0.72 | 0.74 | 7634 |

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.92	0.80	0.86	7064
Other-Discussion	0.07	0.19	0.10	570
micro avg	0.75	0.75	0.75	7634
macro avg	0.50	0.50	0.48	7634
weighted avg	0.86	0.75	0.80	7634

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.66	0.99	0.79	5013
Other-Irrelevant	0.66	0.03	0.06	2621
micro avg	0.66	0.66	0.66	7634
macro avg	0.66	0.51	0.43	7634
weighted avg	0.66	0.66	0.54	7634