```
TREC-IS 2019-B Notebook Evaluator v2.3
Run: IITBHU_run1 (IITBHU_run1)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.8312691131498511
> Low Importance Alert Worth:   -0.04206215953377624
> Accumulated Alert Worth:      -0.43666563634181366


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.18112580742757708
> Information Type Recall (positive class, multi-type, macro):  0.13159472591328572
> Information Type F1 (positive class, multi-type, macro):      0.08937881698366505
> Information Type Accuracy (overall, multi-type, macro):       0.8138818702084007
> High Importance Information Type Precision (positive class, multi-type, macro):      0.16687462863933453
> High Importance Information Type Recall (positive class, multi-type, macro):  0.010136206674171006
> High Importance Information Type F1 (positive class, multi-type, macro):      0.019089028032477966
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9746247705431378
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.18562617967649575
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.1699500477782693
> Low Importance Information Type F1 (positive class, multi-type, macro):      0.11157559244193464
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.7631209543132208


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.11276161558107493
> Priority Estimation Error High Importance (mean squared error, macro): 0.18794009601835793
> Priority Estimation Error Low Importance (mean squared error, macro): 0.08902104281140664


--------------------------------------------------
LATEX
--------------------------------------------------
IITBHU_run1 & -0.8313 & -0.4367 & 0.0191 & 0.1238 & 0.8139 & 0.1879 & 0.1128 \\
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: IITBHU_run1 (IITBHU_run1)


--------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
--------------------------------------------------
albertaWildfires2019
  Information Type Precision (positive class, multi-type, macro): 0.25627342022783145
  Information Type Recall (positive class, multi-type, macro): 0.14839543619585352
  Information Type F1 (positive class, multi-type, macro): 0.08309674371083982
  Information Type Accuracy (overall, multi-type, macro): 0.78814
  High Importance Information Type Precision (positive class, multi-type, macro): 0.20833333333333334
  High Importance Information Type Recall (positive class, multi-type, macro): 0.005976675608925226
  High Importance Information Type F1 (positive class, multi-type, macro): 0.011602195964851326
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9772499999999998
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2714123950366204
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1933697816443572
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10567396931483619
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.728421052631579

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.12290800667024172
  Information Type Recall (positive class, multi-type, macro): 0.13907968782856991
  Information Type F1 (positive class, multi-type, macro): 0.09096076654544463
  Information Type Accuracy (overall, multi-type, macro): 0.7938369184592294
  High Importance Information Type Precision (positive class, multi-type, macro): 0.04545454545454545
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0013966480446927375
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0027100271002710023
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9468067367016841
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14736699442256687
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1825585424971627
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.118829421110707842
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7455306600668754

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.0954238674622882
  Information Type Recall (positive class, multi-type, macro): 0.12207454682608654
  Information Type F1 (positive class, multi-type, macro): 0.0671696835653632
  Information Type Accuracy (overall, multi-type, macro): 0.8554185463659149
  High Importance Information Type Precision (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0025252525252525255
  High Importance Information Type F1 (positive class, multi-type, macro): 0.004901960784313726
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9786131996658313
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.09924193087143184
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1598269555526657
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.08683317496990513
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8165149716396255

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.1101377780242404
  Information Type Recall (positive class, multi-type, macro): 0.09347816929231105
  Information Type F1 (positive class, multi-type, macro): 0.06709870353282361
  Information Type Accuracy (overall, multi-type, macro): 0.8566908797417271
  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): 0.9938122141511972
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14491812897926368
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.12299759117409348
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.08828776780634687
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8133894057176839

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.10451098750025127
  Information Type Recall (positive class, multi-type, macro): 0.10163300582681238
  Information Type F1 (positive class, multi-type, macro): 0.053235889909742734
  Information Type Accuracy (overall, multi-type, macro): 0.8053669384729428
  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): 0.9767729182110205
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1375144572371727
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.13372763924580577
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07004722356545097
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7512387343451291

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.20842841416870414
  Information Type Recall (positive class, multi-type, macro): 0.15432189295432563
  Information Type F1 (positive class, multi-type, macro): 0.12381804018655722
  Information Type Accuracy (overall, multi-type, macro): 0.765478645066274
```

```
High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9977908689248896
Low Importance Information Type Precision (positive class, multi-type, macro): 0.22161633443250545
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1504235433609548
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1102868949823121
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6921168901635532
```

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TREC-IS 2019-B Notebook Evaluator v2.3
Run: IITBHU_run1 (IITBHU_run1)


--------------------------------------------------
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      9224
Request-GoodsServices      0.00      0.00      0.00        37

           micro avg      1.00      1.00      1.00      9261
           macro avg      0.50      0.50      0.50      9261
        weighted avg      0.99      1.00      0.99      9261


Request-SearchAndRescue
                      precision    recall  f1-score   support

        Other Classes      1.00      1.00      1.00      9252
Request-SearchAndRescue      0.00      0.00      0.00         9

            micro avg      1.00      1.00      1.00      9261
            macro avg      0.50      0.50      0.50      9261
         weighted avg      1.00      1.00      1.00      9261


Request-InformationWanted
                        precision    recall  f1-score   support

          Other Classes      1.00      1.00      1.00      9228
Request-InformationWanted      0.00      0.00      0.00        33

              micro avg      1.00      1.00      1.00      9261
              macro avg      0.50      0.50      0.50      9261
           weighted avg      0.99      1.00      0.99      9261


CallToAction-Volunteer
                     precision    recall  f1-score   support

       Other Classes      1.00      1.00      1.00      9237
CallToAction-Volunteer      0.00      0.00      0.00        24

           micro avg      1.00      1.00      1.00      9261
           macro avg      0.50      0.50      0.50      9261
        weighted avg      0.99      1.00      1.00      9261


CallToAction-Donations
                     precision    recall  f1-score   support

       Other Classes      0.99      1.00      0.99      9155
CallToAction-Donations      0.08      0.01      0.02       106

           micro avg      0.99      0.99      0.99      9261
           macro avg      0.54      0.50      0.51      9261
        weighted avg      0.98      0.99      0.98      9261


CallToAction-MovePeople
                     precision    recall  f1-score   support

       Other Classes      0.99      1.00      0.99      9158
CallToAction-MovePeople      0.83      0.05      0.09       103

           micro avg      0.99      0.99      0.99      9261
           macro avg      0.91      0.52      0.54      9261
        weighted avg      0.99      0.99      0.98      9261


Report-FirstPartyObservation
                          precision    recall  f1-score   support

            Other Classes      0.97      0.98      0.97      8942
Report-FirstPartyObservation      0.01      0.01      0.01       319

                micro avg      0.95      0.95      0.95      9261
                macro avg      0.49      0.50      0.49      9261
             weighted avg      0.93      0.95      0.94      9261
```

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

                Other Classes      0.83      0.67      0.74      7785
   Report-ThirdPartyObservation    0.15      0.29      0.19      1476

                    micro avg      0.61      0.61      0.61      9261
                    macro avg      0.49      0.48      0.47      9261
                 weighted avg      0.72      0.61      0.66      9261


Report-Weather
               precision    recall  f1-score   support

 Other Classes      0.90      0.70      0.79      8123
Report-Weather      0.18      0.47      0.26      1138

    micro avg      0.67      0.67      0.67      9261
    macro avg      0.54      0.58      0.52      9261
 weighted avg      0.81      0.67      0.72      9261


Report-Location
                precision    recall  f1-score   support

 Other Classes      0.47      1.00      0.64      4351
Report-Location      0.60      0.00      0.01      4910

    micro avg      0.47      0.47      0.47      9261
    macro avg      0.54      0.50      0.32      9261
 weighted avg      0.54      0.47      0.30      9261


Report-EmergingThreats
                       precision    recall  f1-score   support

         Other Classes      0.93      0.99      0.96      8621
 Report-EmergingThreats      0.11      0.01      0.02       640

             micro avg      0.93      0.93      0.93      9261
             macro avg      0.52      0.50      0.49      9261
          weighted avg      0.87      0.93      0.90      9261


Report-NewSubEvent
                    precision    recall  f1-score   support

     Other Classes      0.98      1.00      0.99      9051
Report-NewSubEvent      0.00      0.00      0.00       210

         micro avg      0.98      0.98      0.98      9261
         macro avg      0.49      0.50      0.49      9261
      weighted avg      0.96      0.98      0.97      9261


Report-MultimediaShare
                       precision    recall  f1-score   support

         Other Classes      0.65      0.69      0.67      5719
 Report-MultimediaShare      0.44      0.39      0.41      3542

             micro avg      0.58      0.58      0.58      9261
             macro avg      0.54      0.54      0.54      9261
          weighted avg      0.57      0.58      0.57      9261


Report-ServiceAvailable
                        precision    recall  f1-score   support

          Other Classes      0.96      1.00      0.98      8916
 Report-ServiceAvailable      0.06      0.00      0.01       345

              micro avg      0.96      0.96      0.96      9261
              macro avg      0.51      0.50      0.49      9261
           weighted avg      0.93      0.96      0.94      9261


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

```
Other Classes          0.66      0.97      0.78       6019
Report-Factoid         0.51      0.05      0.10       3242

    micro avg          0.65      0.65      0.65       9261
    macro avg          0.58      0.51      0.44       9261
 weighted avg          0.60      0.65      0.54       9261


Report-Official
                  precision    recall  f1-score   support

Other Classes          0.92      1.00      0.96       8486
Report-Official        0.10      0.00      0.01        775

    micro avg          0.91      0.91      0.91       9261
    macro avg          0.51      0.50      0.48       9261
 weighted avg          0.85      0.91      0.88       9261


Report-News
                  precision    recall  f1-score   support

Other Classes          0.70      0.64      0.67       6421
  Report-News          0.32      0.39      0.35       2840

    micro avg          0.56      0.56      0.56       9261
    macro avg          0.51      0.51      0.51       9261
 weighted avg          0.59      0.56      0.57       9261


Report-CleanUp
                  precision    recall  f1-score   support

Other Classes          0.99      1.00      1.00       9202
Report-CleanUp         0.00      0.00      0.00         59

    micro avg          0.99      0.99      0.99       9261
    macro avg          0.50      0.50      0.50       9261
 weighted avg          0.99      0.99      0.99       9261


Report-Hashtags
                  precision    recall  f1-score   support

Other Classes          0.73      0.98      0.84       6757
Report-Hashtags        0.25      0.02      0.03       2504

    micro avg          0.72      0.72      0.72       9261
    macro avg          0.49      0.50      0.43       9261
 weighted avg          0.60      0.72      0.62       9261


Report-OriginalEvent
                     precision    recall  f1-score   support

      Other Classes       0.90      1.00      0.95       8321
Report-OriginalEvent      0.33      0.02      0.04        940

          micro avg       0.90      0.90      0.90       9261
          macro avg       0.61      0.51      0.49       9261
       weighted avg       0.84      0.90      0.85       9261


Other-ContextualInformation
                             precision    recall  f1-score   support

              Other Classes       0.97      1.00      0.99       9014
Other-ContextualInformation       0.00      0.00      0.00        247

                  micro avg       0.97      0.97      0.97       9261
                  macro avg       0.49      0.50      0.49       9261
               weighted avg       0.95      0.97      0.96       9261


Other-Advice
                  precision    recall  f1-score   support

Other Classes          0.97      1.00      0.98       8946
 Other-Advice          0.07      0.01      0.01        315

    micro avg          0.96      0.96      0.96       9261
    macro avg          0.52      0.50      0.50       9261
```

```
weighted avg          0.94      0.96      0.95       9261


Other-Sentiment
                 precision    recall  f1-score   support

  Other Classes       0.92      0.64      0.76       8481
Other-Sentiment       0.09      0.40      0.15        780

      micro avg       0.62      0.62      0.62       9261
      macro avg       0.51      0.52      0.45       9261
   weighted avg       0.85      0.62      0.71       9261


Other-Discussion
                  precision    recall  f1-score   support

   Other Classes       0.95      0.43      0.59       8805
Other-Discussion       0.05      0.55      0.09        456

       micro avg       0.43      0.43      0.43       9261
       macro avg       0.50      0.49      0.34       9261
    weighted avg       0.90      0.43      0.57       9261


Other-Irrelevant
                  precision    recall  f1-score   support

   Other Classes       0.71      0.44      0.55       6224
Other-Irrelevant       0.35      0.63      0.45       3037

       micro avg       0.50      0.50      0.50       9261
       macro avg       0.53      0.53      0.50       9261
    weighted avg       0.59      0.50      0.51       9261
```