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TREC-IS 2019-B Notebook Evaluator v2.3
Run: UPB_BERT ([UPB_BERT].run)


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EVALUATON: Alertng Performance
Overall performance
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> High Importance Alert Worth:  -0.9680115273775214
> Low Importance Alert Worth:   -0.008386882295615603
> Accumulated Alert Worth:      -0.4881992048365685


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EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.27357945852552407
> Information Type Recall (positive class, multi-type, macro):  0.26409885194717303
> Information Type F1 (positive class, multi-type, macro):      0.24211523570498641
> Information Type Accuracy (overall, multi-type, macro):       0.8809492620731815
> High Importance Information Type Precision (positive class, multi-type, macro):      0.11535402185766575
> High Importance Information Type Recall (positive class, multi-type, macro):  0.07671711636575272
> High Importance Information Type F1 (positive class, multi-type, macro):      0.08677264812075325
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9706575844904375
> Low Importance Information Type Precision (positive class, multi-type, macro):       0.32632127074814354
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.32655943047431313
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.2938960982330643
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.851046487934096


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.07166851650418277
> Priority Estimation Error High Importance (mean squared error, macro): 0.15139382033570306
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04509341522700932


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LATEX
--------------------------------------------------
UPB_BERT & -0.9680 & -0.4882 & 0.0868 & 0.2312 & 0.8809 & 0.1514 & 0.0717 \\
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: UPB_BERT ([UPB_BERT].run)


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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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floodChoco2019
  Information Type Precision (positive class, multi-type, macro): 0.06074304542526315
  Information Type Recall (positive class, multi-type, macro): 0.12413407151025076
  Information Type F1 (positive class, multi-type, macro): 0.04872738077190162
  Information Type Accuracy (overall, multi-type, macro): 0.8998500428449017
  High Importance Information Type Precision (positive class, multi-type, macro): 0.006172839506172839
  High Importance Information Type Recall (positive class, multi-type, macro): 0.027777777777777776
  High Importance Information Type F1 (positive class, multi-type, macro): 0.010101010101010102
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.974293059125964
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.07893311406495991
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.15625283608774174
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.061602837662198796
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8750357040845471

earthquakeCalifornia2014
  Information Type Precision (positive class, multi-type, macro): 0.21498178477345142
  Information Type Recall (positive class, multi-type, macro): 0.17980068350816047
  Information Type F1 (positive class, multi-type, macro): 0.16315469993854434
  Information Type Accuracy (overall, multi-type, macro): 0.8956692913385829
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1346153846153846
  High Importance Information Type Recall (positive class, multi-type, macro): 0.12222222222222223
  High Importance Information Type F1 (positive class, multi-type, macro): 0.1246376811594203
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9750656167979003
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.24177058482614036
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.19899350393680657
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17599370619825233
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8692038495188102

earthquakeBohol2013
  Information Type Precision (positive class, multi-type, macro): 0.24326540428600754
  Information Type Recall (positive class, multi-type, macro): 0.26977028980594425
  Information Type F1 (positive class, multi-type, macro): 0.19803590522042389
  Information Type Accuracy (overall, multi-type, macro): 0.9081179321486269
  High Importance Information Type Precision (positive class, multi-type, macro): 0.030637254901960786
  High Importance Information Type Recall (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04047619047619048
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9884221863220248
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.31414145408068983
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3319159419634812
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.25055581013516837
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8813498474241608

hurricaneFlorence2018
  Information Type Precision (positive class, multi-type, macro): 0.24616347492144142
  Information Type Recall (positive class, multi-type, macro): 0.26953123963016656
  Information Type F1 (positive class, multi-type, macro): 0.22963498606800523
  Information Type Accuracy (overall, multi-type, macro): 0.8800520208083231
  High Importance Information Type Precision (positive class, multi-type, macro): 0.09198943661971831
  High Importance Information Type Recall (positive class, multi-type, macro): 0.07953239144139133
  High Importance Information Type F1 (positive class, multi-type, macro): 0.08453684017114209
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9672535680939042
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2975548210220158
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.33286418902642495
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.2780010347002929
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8509848383797963

shootingDallas2017
  Information Type Precision (positive class, multi-type, macro): 0.1619079384352996
  Information Type Recall (positive class, multi-type, macro): 0.21222920331636072
  Information Type F1 (positive class, multi-type, macro): 0.15148680193393002
  Information Type Accuracy (overall, multi-type, macro): 0.8963541666666667
  High Importance Information Type Precision (positive class, multi-type, macro): 0.005649717514124294
  High Importance Information Type Recall (positive class, multi-type, macro): 0.05555555555555555
  High Importance Information Type F1 (positive class, multi-type, macro): 0.010256410256410256
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9822500000000001
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.21399401207569138
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.26445375256996245
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1985635991597699
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8677222222222221

fireYMM2016
  Information Type Precision (positive class, multi-type, macro): 0.33270316627389573
  Information Type Recall (positive class, multi-type, macro): 0.26151437583224973
  Information Type F1 (positive class, multi-type, macro): 0.23122394308974226
  Information Type Accuracy (overall, multi-type, macro): 0.8536458333333333
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High Importance Information Type Precision (positive class, multi-type, macro): 0.20119431025228127
High Importance Information Type Recall (positive class, multi-type, macro): 0.0872853173226283
High Importance Information Type F1 (positive class, multi-type, macro): 0.11073324213406292
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9568333333333333
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3765394516144339
Low Importance Information Type Recall (positive class, multi-type, macro): 0.31959072866879024
Low Importance Information Type F1 (positive class, multi-type, macro): 0.27138751007496864
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8192499999999999
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: UPB_BERT ([UPB_BERT].run)


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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    0.17       0.04       0.07         23

           micro avg     1.00       1.00       1.00       7634
           macro avg     0.58       0.52       0.53       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   0.00       0.00       0.00         10

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


Request-InformationWanted
                       precision    recall   f1-score    support

         Other Classes     0.99       1.00       0.99       7563
Request-InformationWanted  0.38       0.13       0.19         71

             micro avg     0.99       0.99       0.99       7634
             macro avg     0.68       0.56       0.59       7634
          weighted avg     0.99       0.99       0.99       7634


CallToAction-Volunteer
                      precision    recall   f1-score    support

        Other Classes     1.00       1.00       1.00       7610
CallToAction-Volunteer    0.17       0.08       0.11         24

            micro avg     1.00       1.00       1.00       7634
            macro avg     0.58       0.54       0.55       7634
         weighted avg     0.99       1.00       1.00       7634


CallToAction-Donations
                      precision    recall   f1-score    support

        Other Classes     1.00       1.00       1.00       7556
CallToAction-Donations    0.60       0.68       0.64         78

            micro avg     0.99       0.99       0.99       7634
            macro avg     0.80       0.84       0.82       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     0.95       0.76       0.85       7150
Report-FirstPartyObservation  0.11       0.43       0.17        484

                micro avg     0.74       0.74       0.74       7634
                macro avg     0.53       0.59       0.51       7634
             weighted avg     0.90       0.74       0.80       7634
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Report-ThirdPartyObservation
                          precision     recall   f1-score    support

             Other Classes      0.97       0.85       0.91       7317
Report-ThirdPartyObservation    0.09       0.32       0.14        317

                micro avg       0.83       0.83       0.83       7634
                macro avg       0.53       0.59       0.52       7634
             weighted avg       0.93       0.83       0.87       7634


Report-Weather
                 precision     recall   f1-score    support

 Other Classes        0.97       0.98       0.98       7334
Report-Weather        0.42       0.33       0.37        300

    micro avg         0.96       0.96       0.96       7634
    macro avg         0.70       0.66       0.67       7634
 weighted avg         0.95       0.96       0.95       7634


Report-EmergingThreats
                       precision     recall   f1-score    support

       Other Classes       0.95       0.94       0.94       7168
Report-EmergingThreats     0.16       0.17       0.17        466

          micro avg        0.90       0.90       0.90       7634
          macro avg        0.56       0.56       0.56       7634
       weighted avg        0.90       0.90       0.90       7634


Report-NewSubEvent
                  precision     recall   f1-score    support

    Other Classes      0.98       0.99       0.99       7492
Report-NewSubEvent     0.14       0.06       0.08        142

       micro avg       0.98       0.98       0.98       7634
       macro avg       0.56       0.52       0.53       7634
    weighted avg       0.97       0.98       0.97       7634


Report-MultimediaShare
                       precision     recall   f1-score    support

       Other Classes       0.84       0.84       0.84       6034
Report-MultimediaShare     0.40       0.41       0.40       1600

          micro avg        0.75       0.75       0.75       7634
          macro avg        0.62       0.62       0.62       7634
       weighted avg        0.75       0.75       0.75       7634


Report-ServiceAvailable
                        precision     recall   f1-score    support

        Other Classes       0.98       0.99       0.99       7484
Report-ServiceAvailable     0.22       0.19       0.20        150

           micro avg        0.97       0.97       0.97       7634
           macro avg        0.60       0.59       0.59       7634
        weighted avg        0.97       0.97       0.97       7634


Report-Factoid
                 precision     recall   f1-score    support

 Other Classes        0.91       0.93       0.92       6625
Report-Factoid        0.47       0.37       0.41       1009

    micro avg         0.86       0.86       0.86       7634
    macro avg         0.69       0.65       0.67       7634
 weighted avg         0.85       0.86       0.85       7634


Report-Official
                 precision     recall   f1-score    support
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       Other Classes        0.97      1.00      0.98      7404
     Report-Official        0.29      0.04      0.08       230

           micro avg        0.97      0.97      0.97      7634
           macro avg        0.63      0.52      0.53      7634
        weighted avg        0.95      0.97      0.96      7634


Report-News
                        precision    recall  f1-score   support

       Other Classes        0.90      0.79      0.84      6158
         Report-News        0.42      0.65      0.51      1476

           micro avg        0.76      0.76      0.76      7634
           macro avg        0.66      0.72      0.68      7634
        weighted avg        0.81      0.76      0.78      7634


Report-CleanUp
                        precision    recall  f1-score   support

       Other Classes        0.99      1.00      0.99      7559
      Report-CleanUp        0.27      0.09      0.14        75

           micro avg        0.99      0.99      0.99      7634
           macro avg        0.63      0.55      0.57      7634
        weighted avg        0.98      0.99      0.99      7634


Report-Hashtags
                        precision    recall  f1-score   support

       Other Classes        0.58      0.80      0.67      3789
     Report-Hashtags        0.68      0.43      0.53      3845

           micro avg        0.61      0.61      0.61      7634
           macro avg        0.63      0.61      0.60      7634
        weighted avg        0.63      0.61      0.60      7634


Report-OriginalEvent
                          precision    recall  f1-score   support

         Other Classes        0.89      0.98      0.93      6750
  Report-OriginalEvent        0.17      0.02      0.04       884

             micro avg        0.87      0.87      0.87      7634
             macro avg        0.53      0.50      0.49      7634
          weighted avg        0.80      0.87      0.83      7634


Other-ContextualInformation
                                precision    recall  f1-score   support

               Other Classes        0.96      0.90      0.93      7364
 Other-ContextualInformation        0.04      0.10      0.05       270

                   micro avg        0.87      0.87      0.87      7634
                   macro avg        0.50      0.50      0.49      7634
                weighted avg        0.93      0.87      0.90      7634


Other-Advice
                        precision    recall  f1-score   support

       Other Classes        0.96      0.93      0.95      7183
        Other-Advice        0.28      0.42      0.34       451

           micro avg        0.90      0.90      0.90      7634
           macro avg        0.62      0.68      0.64      7634
        weighted avg        0.92      0.90      0.91      7634


Other-Sentiment
                        precision    recall  f1-score   support

       Other Classes        0.91      0.69      0.78      5844
     Other-Sentiment        0.43      0.78      0.55      1790

           micro avg        0.71      0.71      0.71      7634
           macro avg        0.67      0.73      0.67      7634
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	precision	recall	f1-score	support
weighted avg	0.80	0.71	0.73	7634

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.92	0.87	0.90	7064
Other-Discussion	0.07	0.12	0.09	570
micro avg	0.82	0.82	0.82	7634
macro avg	0.50	0.50	0.49	7634
weighted avg	0.86	0.82	0.84	7634

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.75	0.83	0.79	5013
Other-Irrelevant	0.59	0.47	0.52	2621
micro avg	0.71	0.71	0.71	7634
macro avg	0.67	0.65	0.66	7634
weighted avg	0.70	0.71	0.70	7634

	precision	recall	f1-score	support
Other Classes	0.92	0.87	0.90	7064