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TREC-IS 2019-B Notebook Evaluator v2.3
Run: IRITrun4 (IRITrun4)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:   -0.9743883792048932
> Low Importance Alert Worth:    -8.213410207158855e-05
> Accumulated Alert Worth:       -0.4872352566534824


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):       0.13956940865383097
> Information Type Recall (positive class, multi-type, macro):  0.2974348752998149
> Information Type F1 (positive class, multi-type, macro):      0.1317321808434525
> Information Type Accuracy (overall, multi-type, macro):       0.7575769355361195
> 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):       0.9752906453586726
> Low Importance Information Type Precision (positive class, multi-type, macro):        0.18364395875504075
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.39136167802607225
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.17333181689927962
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.6888252376974182


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.0774603112079824
> Priority Estimation Error High Importance (mean squared error, macro): 0.14606499113357746
> Priority Estimation Error Low Importance (mean squared error, macro): 0.05579567544200503


--------------------------------------------------
LATEX
--------------------------------------------------
IRITrun4 & -0.9744 & -0.4872 & 0.0000 & 0.1583 & 0.7576 & 0.1461 & 0.0775 \\
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: IRITrun4 (IRITrun4)


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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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albertaWildfires2019
  Information Type Precision (positive class, multi-type, macro): 0.14228194807414252
  Information Type Recall (positive class, multi-type, macro): 0.2985830620868524
  Information Type F1 (positive class, multi-type, macro): 0.1331194197620489
  Information Type Accuracy (overall, multi-type, macro): 0.77018
  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): 0.9773333333333333
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.18721308957124017
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3928724501142795
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.175157131126585383
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7047631578947368

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.11082229830172327
  Information Type Recall (positive class, multi-type, macro): 0.2742084720152245
  Information Type F1 (positive class, multi-type, macro): 0.11028115753483707
  Information Type Accuracy (overall, multi-type, macro): 0.7239819909954978
  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): 0.947223611805903
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14581881355489903
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.36080062107266386
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.145106786623004877
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6534846370553697

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.11356597527484613
  Information Type Recall (positive class, multi-type, macro): 0.2961938469579825
  Information Type F1 (positive class, multi-type, macro): 0.11476449700605394
  Information Type Accuracy (overall, multi-type, macro): 0.7858446115288221
  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): 0.9788638262322472
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14942891483532386
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.38972874599734536
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1510059171132289
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7248911753066878

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.10717296802553461
  Information Type Recall (positive class, multi-type, macro): 0.27479653888355043
  Information Type F1 (positive class, multi-type, macro): 0.11663549787735167
  Information Type Accuracy (overall, multi-type, macro): 0.7596125907990314
  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): 0.9967715899919289
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1410170631914929
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.36157439326782953
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.15346776036493642
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6847202752644325

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.098026162090466
  Information Type Recall (positive class, multi-type, macro): 0.26463986374104737
  Information Type F1 (positive class, multi-type, macro): 0.11392503866999024
  Information Type Accuracy (overall, multi-type, macro): 0.748554484803558
  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): 0.9773906597479615
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12898179222429737
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3482103470276939
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1499013666710398
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6762904295579574

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.15754961630629605
  Information Type Recall (positive class, multi-type, macro): 0.3163200899676309
  Information Type F1 (positive class, multi-type, macro): 0.15825297282327394
  Information Type Accuracy (overall, multi-type, macro): 0.7505154639175258
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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): 0.9980363279332352
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2073021267188106
Low Importance Information Type Recall (positive class, multi-type, macro): 0.4162106446942512
Low Importance Information Type F1 (positive class, multi-type, macro): 0.20822759582009728
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6723509805441439
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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	1.00	1.00	1.00	9223
Request-GoodsServices	0.00	0.00	0.00	38
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	9253
Request-SearchAndRescue	0.00	0.00	0.00	8
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	0.95	0.97	9228
Request-InformationWanted	0.03	0.45	0.06	33
micro avg	0.95	0.95	0.95	9261
macro avg	0.52	0.70	0.52	9261
weighted avg	0.99	0.95	0.97	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	9156
CallToAction-Donations	0.00	0.00	0.00	105
micro avg	0.99	0.99	0.99	9261
macro avg	0.49	0.50	0.50	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	0.00	0.00	0.00	103
micro avg	0.99	0.99	0.99	9261
macro avg	0.49	0.50	0.50	9261
weighted avg	0.98	0.99	0.98	9261

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.97	0.45	0.61	8942
Report-FirstPartyObservation	0.04	0.64	0.08	319
micro avg	0.46	0.46	0.46	9261
macro avg	0.51	0.55	0.34	9261
weighted avg	0.94	0.46	0.60	9261

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

              Other Classes      0.92       0.30       0.45       7785
Report-ThirdPartyObservation     0.19       0.86       0.31       1476

                   micro avg     0.39       0.39       0.39       9261
                   macro avg     0.55       0.58       0.38       9261
                weighted avg     0.80       0.39       0.43       9261


Report-Weather
                 precision    recall   f1-score    support

 Other Classes      0.88       1.00       0.93       8123
Report-Weather      0.00       0.00       0.00       1138

     micro avg      0.88       0.88       0.88       9261
     macro avg      0.44       0.50       0.47       9261
  weighted avg      0.77       0.88       0.82       9261


Report-Location
                 precision    recall   f1-score    support

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

     micro avg      0.47       0.47       0.47       9261
     macro avg      0.23       0.50       0.32       9261
  weighted avg      0.22       0.47       0.30       9261


Report-EmergingThreats
                        precision    recall   f1-score    support

          Other Classes    0.93       1.00       0.96       8622
Report-EmergingThreats     0.00       0.00       0.00        639

             micro avg     0.93       0.93       0.93       9261
             macro avg     0.47       0.50       0.48       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       9052
Report-NewSubEvent     0.00       0.00       0.00        209

         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     1.00       0.49       0.65       5719
Report-MultimediaShare     0.55       1.00       0.71       3542

             micro avg     0.68       0.68       0.68       9261
             macro avg     0.77       0.74       0.68       9261
          weighted avg     0.83       0.68       0.67       9261


Report-ServiceAvailable
                         precision    recall   f1-score    support

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

              micro avg     0.96       0.96       0.96       9261
              macro avg     0.48       0.50       0.49       9261
           weighted avg     0.93       0.96       0.94       9261


Report-Factoid
                 precision    recall   f1-score    support
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Other Classes         0.70      0.90      0.79       6019
Report-Factoid        0.61      0.30      0.40       3242

   micro avg          0.69      0.69      0.69       9261
   macro avg          0.66      0.60      0.60       9261
weighted avg          0.67      0.69      0.65       9261


Report-Official
                   precision    recall  f1-score   support

Other Classes         0.92      1.00      0.96       8486
Report-Official       0.73      0.01      0.02        775

   micro avg          0.92      0.92      0.92       9261
   macro avg          0.82      0.50      0.49       9261
weighted avg          0.90      0.92      0.88       9261


Report-News
                   precision    recall  f1-score   support

Other Classes         0.00      0.00      0.00       6421
  Report-News         0.31      1.00      0.47       2840

   micro avg          0.31      0.31      0.31       9261
   macro avg          0.15      0.50      0.23       9261
weighted avg          0.09      0.31      0.14       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         0.00      0.00      0.00       6757
Report-Hashtags       0.27      1.00      0.43       2504

   micro avg          0.27      0.27      0.27       9261
   macro avg          0.14      0.50      0.21       9261
weighted avg          0.07      0.27      0.12       9261


Report-OriginalEvent
                       precision    recall  f1-score   support

       Other Classes      0.90      0.99      0.94       8321
Report-OriginalEvent      0.24      0.02      0.03        940

          micro avg       0.89      0.89      0.89       9261
          macro avg       0.57      0.51      0.49       9261
       weighted avg       0.83      0.89      0.85       9261


Other-ContextualInformation
                             precision    recall  f1-score   support

             Other Classes      0.97      0.86      0.91       9014
Other-ContextualInformation    0.03      0.16      0.05        247

                micro avg       0.84      0.84      0.84       9261
                macro avg       0.50      0.51      0.48       9261
             weighted avg       0.95      0.84      0.89       9261


Other-Advice
                   precision    recall  f1-score   support

Other Classes         0.97      1.00      0.98       8947
 Other-Advice         0.00      0.00      0.00        314

   micro avg          0.97      0.97      0.97       9261
   macro avg          0.48      0.50      0.49       9261
```

weighted avg	0.93	0.97	0.95	9261

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	8481
Other-Sentiment	0.08	1.00	0.16	780
micro avg	0.08	0.08	0.08	9261
macro avg	0.04	0.50	0.08	9261
weighted avg	0.01	0.08	0.01	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.90	0.93	8805
Other-Discussion	0.05	0.10	0.07	456
micro avg	0.86	0.86	0.86	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.91	0.86	0.88	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.82	0.24	0.37	6224
Other-Irrelevant	0.36	0.90	0.52	3037
micro avg	0.45	0.45	0.45	9261
macro avg	0.59	0.57	0.44	9261
weighted avg	0.67	0.45	0.42	9261