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


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.6046636085626913
> Low Importance Alert Worth:   -0.061676111296393464
> Accumulated Alert Worth:      -0.3331698599295424


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.27117197251500097
> Information Type Recall (positive class, multi-type, macro):  0.20003149741801304
> Information Type F1 (positive class, multi-type, macro):      0.16764043447085608
> Information Type Accuracy (overall, multi-type, macro):       0.8377626606198036
> High Importance Information Type Precision (positive class, multi-type, macro):      0.14056676504575197
> High Importance Information Type Recall (positive class, multi-type, macro):  0.16408991090317251
> High Importance Information Type F1 (positive class, multi-type, macro):      0.1268768451964597
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9509772162833388
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.3124157222421322
> Low Importance Information Type Recall (positive class, multi-type, macro):  0.21138147210691013
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.1805131468732971
> Low Importance Information Type Accuracy (overall, multi-type, macro):       0.802010695673424


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.0821936818603139
> Priority Estimation Error High Importance (mean squared error, macro): 0.10044388450372377
> Priority Estimation Error Low Importance (mean squared error, macro): 0.07643045997292128


--------------------------------------------------
LATEX
--------------------------------------------------
UCDbilstmbeta & -0.6047 & -0.3332 & 0.1269 & 0.0607 & 0.8378 & 0.1004 & 0.0822 \\
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: UCDbilstmbeta (UCDbilstmbeta)


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EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
-------------------------------------------------
albertaWildfires2019
  Information Type Precision (positive class, multi-type, macro): 0.284106090962198
  Information Type Recall (positive class, multi-type, macro): 0.2183606053319577
  Information Type F1 (positive class, multi-type, macro): 0.17191939162650516
  Information Type Accuracy (overall, multi-type, macro): 0.83652
  High Importance Information Type Precision (positive class, multi-type, macro): 0.13983627392344497
  High Importance Information Type Recall (positive class, multi-type, macro): 0.27102539672401066
  High Importance Information Type F1 (positive class, multi-type, macro): 0.14706766544935154
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9305833333333334
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.32966498055338317
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.20172961857657254
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17976730515613265
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8068157894736843

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.24915245716140239
  Information Type Recall (positive class, multi-type, macro): 0.1883118826529491
  Information Type F1 (positive class, multi-type, macro): 0.1501490914739496
  Information Type Accuracy (overall, multi-type, macro): 0.8281540770385192
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1407654515420902
  High Importance Information Type Recall (positive class, multi-type, macro): 0.143480651267875
  High Importance Information Type F1 (positive class, multi-type, macro): 0.13915307157665238
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9264632316158079
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.28337993262013256
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.20246911361665668
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1536215188099382
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7971090808562176

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.20900166299315884
  Information Type Recall (positive class, multi-type, macro): 0.20979812914505389
  Information Type F1 (positive class, multi-type, macro): 0.12959771628691003
  Information Type Accuracy (overall, multi-type, macro): 0.8693734335839599
  High Importance Information Type Precision (positive class, multi-type, macro): 0.04181481481481481
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13924539512774806
  High Importance Information Type F1 (positive class, multi-type, macro): 0.04641427895430807
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9596491228070176
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.26179750978632016
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.232077939887361
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1558661701814159
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8408653211977314

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.09060997812969067
  Information Type Recall (positive class, multi-type, macro): 0.08761849728656036
  Information Type F1 (positive class, multi-type, macro): 0.024668645235000706
  Information Type Accuracy (overall, multi-type, macro): 0.8360290556900725
  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): 0.997847726661286
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1192236554338035
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1152874964296847
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.032458743730264084
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7849284227517949

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.23146924395590585
  Information Type Recall (positive class, multi-type, macro): 0.19127191975672284
  Information Type F1 (positive class, multi-type, macro): 0.15284037349700225
  Information Type Accuracy (overall, multi-type, macro): 0.8512379540400298
  High Importance Information Type Precision (positive class, multi-type, macro): 0.051410946513041796
  High Importance Information Type Recall (positive class, multi-type, macro): 0.09345568703211786
  High Importance Information Type F1 (positive class, multi-type, macro): 0.062074145608669994
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9432913269088213
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.28832975893786295
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.22216125640659806
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1815033928301598
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8221684678709373

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.2459920552969167
  Information Type Recall (positive class, multi-type, macro): 0.08401433553529056
  Information Type F1 (positive class, multi-type, macro): 0.060657110168343256
  Information Type Accuracy (overall, multi-type, macro): 0.7532253313696612
```

```
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): 0.9874815905743741
Low Importance Information Type Precision (positive class, multi-type, macro): 0.32367375696962725
Low Importance Information Type Recall (positive class, multi-type, macro): 0.11054517833590864
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07981198706360955
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.679249670568173
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: UCDbilstmbeta (UCDbilstmbeta)


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

        Other Classes       1.00      0.99      0.99      9223
Request-GoodsServices       0.07      0.13      0.09        38

            micro avg       0.99      0.99      0.99      9261
            macro avg       0.53      0.56      0.54      9261
         weighted avg       0.99      0.99      0.99      9261


Request-SearchAndRescue
                        precision    recall  f1-score   support

          Other Classes     1.00      0.99      1.00      9252
Request-SearchAndRescue     0.00      0.00      0.00         9

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


Request-InformationWanted
                          precision    recall  f1-score   support

            Other Classes     1.00      0.97      0.99      9228
Request-InformationWanted     0.04      0.30      0.07        33

              micro avg       0.97      0.97      0.97      9261
              macro avg       0.52      0.64      0.53      9261
           weighted avg       0.99      0.97      0.98      9261


CallToAction-Volunteer
                        precision    recall  f1-score   support

         Other Classes      1.00      1.00      1.00      9237
CallToAction-Volunteer      0.19      0.17      0.18        24

            micro avg       1.00      1.00      1.00      9261
            macro avg       0.59      0.58      0.59      9261
         weighted avg       1.00      1.00      1.00      9261


CallToAction-Donations
                        precision    recall  f1-score   support

         Other Classes      0.99      0.96      0.97      9155
CallToAction-Donations      0.11      0.49      0.18       106

            micro avg       0.95      0.95      0.95      9261
            macro avg       0.55      0.72      0.58      9261
         weighted avg       0.98      0.95      0.97      9261


CallToAction-MovePeople
                        precision    recall  f1-score   support

         Other Classes      0.99      1.00      0.99      9158
CallToAction-MovePeople     0.33      0.07      0.11       103

            micro avg       0.99      0.99      0.99      9261
            macro avg       0.66      0.53      0.55      9261
         weighted avg       0.98      0.99      0.98      9261


Report-FirstPartyObservation
                             precision    recall  f1-score   support

              Other Classes     0.97      0.96      0.97      8942
Report-FirstPartyObservation     0.08      0.09      0.09       319

                micro avg       0.93      0.93      0.93      9261
                macro avg       0.53      0.53      0.53      9261
             weighted avg       0.94      0.93      0.94      9261
```

Report-ThirdPartyObservation

	precision	recall	f1-score	support
Other Classes	0.84	0.95	0.89	7785
Report-ThirdPartyObservation	0.10	0.03	0.04	1476
micro avg	0.81	0.81	0.81	9261
macro avg	0.47	0.49	0.47	9261
weighted avg	0.72	0.81	0.76	9261

Report-Weather

	precision	recall	f1-score	support
Other Classes	0.90	0.97	0.94	8123
Report-Weather	0.57	0.27	0.37	1138
micro avg	0.89	0.89	0.89	9261
macro avg	0.74	0.62	0.65	9261
weighted avg	0.86	0.89	0.87	9261

Report-Location

	precision	recall	f1-score	support
Other Classes	0.48	0.98	0.64	4351
Report-Location	0.78	0.06	0.11	4910
micro avg	0.49	0.49	0.49	9261
macro avg	0.63	0.52	0.38	9261
weighted avg	0.64	0.49	0.36	9261

Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.95	0.92	0.93	8621
Report-EmergingThreats	0.21	0.30	0.25	640
micro avg	0.87	0.87	0.87	9261
macro avg	0.58	0.61	0.59	9261
weighted avg	0.90	0.87	0.88	9261

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.97	0.97	9051
Report-NewSubEvent	0.03	0.04	0.04	210
micro avg	0.95	0.95	0.95	9261
macro avg	0.51	0.51	0.51	9261
weighted avg	0.96	0.95	0.95	9261

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.64	0.95	0.76	5719
Report-MultimediaShare	0.59	0.12	0.20	3542
micro avg	0.63	0.63	0.63	9261
macro avg	0.61	0.53	0.48	9261
weighted avg	0.62	0.63	0.55	9261

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.98	0.93	0.95	8916
Report-ServiceAvailable	0.20	0.44	0.27	345
micro avg	0.91	0.91	0.91	9261
macro avg	0.59	0.69	0.61	9261
weighted avg	0.95	0.91	0.93	9261

Report-Factoid

	precision	recall	f1-score	support

```
Other Classes            0.70       0.95       0.80       6019
Report-Factoid           0.71       0.23       0.35       3242

   micro avg             0.70       0.70       0.70       9261
   macro avg             0.70       0.59       0.58       9261
weighted avg             0.70       0.70       0.65       9261


Report-Official
                      precision    recall   f1-score    support

Other Classes            0.92       0.95       0.94       8486
Report-Official          0.19       0.13       0.15        775

   micro avg             0.88       0.88       0.88       9261
   macro avg             0.56       0.54       0.54       9261
weighted avg             0.86       0.88       0.87       9261


Report-News
                      precision    recall   f1-score    support

Other Classes            0.72       0.91       0.80       6421
  Report-News            0.50       0.20       0.29       2840

   micro avg             0.69       0.69       0.69       9261
   macro avg             0.61       0.56       0.55       9261
weighted avg             0.65       0.69       0.65       9261


Report-CleanUp
                      precision    recall   f1-score    support

Other Classes            0.99       1.00       1.00       9201
Report-CleanUp           0.12       0.02       0.03         60

   micro avg             0.99       0.99       0.99       9261
   macro avg             0.56       0.51       0.51       9261
weighted avg             0.99       0.99       0.99       9261


Report-Hashtags
                      precision    recall   f1-score    support

Other Classes            0.74       0.98       0.85       6757
Report-Hashtags          0.62       0.08       0.15       2504

   micro avg             0.74       0.74       0.74       9261
   macro avg             0.68       0.53       0.50       9261
weighted avg             0.71       0.74       0.66       9261


Report-OriginalEvent
                         precision    recall   f1-score    support

      Other Classes         0.92       0.91       0.91       8321
Report-OriginalEvent        0.25       0.26       0.26        940

         micro avg          0.85       0.85       0.85       9261
         macro avg          0.58       0.59       0.59       9261
      weighted avg          0.85       0.85       0.85       9261


Other-ContextualInformation
                              precision    recall   f1-score    support

            Other Classes        0.97       0.76       0.85       9014
Other-ContextualInformation      0.03       0.27       0.05        247

                micro avg        0.75       0.75       0.75       9261
                macro avg        0.50       0.52       0.45       9261
             weighted avg        0.95       0.75       0.83       9261


Other-Advice
                      precision    recall   f1-score    support

Other Classes            0.98       0.96       0.97       8946
 Other-Advice            0.22       0.32       0.26        315

   micro avg             0.94       0.94       0.94       9261
   macro avg             0.60       0.64       0.61       9261
```

weighted avg	0.95	0.94	0.94	9261

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.94	0.93	0.94	8481
Other-Sentiment	0.33	0.36	0.34	780
micro avg	0.88	0.88	0.88	9261
macro avg	0.63	0.65	0.64	9261
weighted avg	0.89	0.88	0.89	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.49	0.65	8805
Other-Discussion	0.04	0.46	0.08	456
micro avg	0.49	0.49	0.49	9261
macro avg	0.50	0.48	0.36	9261
weighted avg	0.90	0.49	0.62	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.69	0.91	0.78	6224
Other-Irrelevant	0.45	0.15	0.22	3037
micro avg	0.66	0.66	0.66	9261
macro avg	0.57	0.53	0.50	9261
weighted avg	0.61	0.66	0.60	9261