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


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EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.7855504587155974
> Low Importance Alert Worth:   -0.04065240144683417
> Accumulated Alert Worth:      -0.41310143008121575


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EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):       0.20172125578929243
> Information Type Recall (positive class, multi-type, macro):  0.5046969647294052
> Information Type F1 (positive class, multi-type, macro):      0.2232855585991046
> Information Type Accuracy (overall, multi-type, macro):       0.749508692365835
> High Importance Information Type Precision (positive class, multi-type, macro):       0.08157429560944528
> High Importance Information Type Recall (positive class, multi-type, macro):  0.48710915188618203
> High Importance Information Type F1 (positive class, multi-type, macro):      0.13549212832840765
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.8451931036965051
> Low Importance Information Type Precision (positive class, multi-type, macro):        0.239662240110924417
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.5102510108904229
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.25100979973721943
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.7192925624719394


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.06678782850372834
> Priority Estimation Error High Importance (mean squared error, macro): 0.08593064697676285
> Priority Estimation Error Low Importance (mean squared error, macro): 0.060742727933296395


--------------------------------------------------
LATEX
--------------------------------------------------
UCDbaseline & -0.7856 & -0.4131 & 0.1355 & 0.1343 & 0.7495 & 0.0859 & 0.0668 \\
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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): 0.2139700871897701
  Information Type Recall (positive class, multi-type, macro): 0.5997876667059241
  Information Type F1 (positive class, multi-type, macro): 0.20765198409657595
  Information Type Accuracy (overall, multi-type, macro): 0.7033
  High Importance Information Type Precision (positive class, multi-type, macro): 0.06974287013379195
  High Importance Information Type Recall (positive class, multi-type, macro): 0.7544284583830126
  High Importance Information Type F1 (positive class, multi-type, macro): 0.12028805612732436
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.7490833333333334
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.259515552415481577
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5509537324921067
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.23524059292897126
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.688842105263158

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.2288940422571812
  Information Type Recall (positive class, multi-type, macro): 0.4709375693466105
  Information Type F1 (positive class, multi-type, macro): 0.21935805670184128
  Information Type Accuracy (overall, multi-type, macro): 0.7179989994997499
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1111234933498436
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3733970735083767
  High Importance Information Type F1 (positive class, multi-type, macro): 0.16929222262829524
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8420043355010837
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.26608474191212994
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5017398311902632
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.2351683200934874
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6788394197098548

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.15445121378744442
  Information Type Recall (positive class, multi-type, macro): 0.5082378159945832
  Information Type F1 (positive class, multi-type, macro): 0.1767366645604543
  Information Type Accuracy (overall, multi-type, macro): 0.784421052631579
  High Importance Information Type Precision (positive class, multi-type, macro): 0.05175860394610671
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3181818181818182
  High Importance Information Type F1 (positive class, multi-type, macro): 0.08756428997535447
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8796992481203008
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.18688045900049843
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5682554995144037
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.204896336179785428
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7543332014246142

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.1402669734946065
  Information Type Recall (positive class, multi-type, macro): 0.20160691183338972
  Information Type F1 (positive class, multi-type, macro): 0.08848147758661636
  Information Type Accuracy (overall, multi-type, macro): 0.8049394673123486
  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): 0.9607210115684692
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1845618072297454
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2652722524123549
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.11642299682449521
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7557452954419949

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.18885237244373992
  Information Type Recall (positive class, multi-type, macro): 0.48155730421367055
  Information Type F1 (positive class, multi-type, macro): 0.19043556727406633
  Information Type Accuracy (overall, multi-type, macro): 0.758517420311342
  High Importance Information Type Precision (positive class, multi-type, macro): 0.05942354925491341
  High Importance Information Type Recall (positive class, multi-type, macro): 0.37184724570017974
  High Importance Information Type F1 (positive class, multi-type, macro): 0.09085589772970178
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8186310847541388
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.22972463239810614
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.5162025858495097
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.221881778770912887
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7395341578557216

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.25464660578348364
  Information Type Recall (positive class, multi-type, macro): 0.23641753808580315
  Information Type F1 (positive class, multi-type, macro): 0.1343226863071136
  Information Type Accuracy (overall, multi-type, macro): 0.756759941089838
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High Importance Information Type Precision (positive class, multi-type, macro): 0.0003711952487008166
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.0007407407407407407
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8782523318605793
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3349441038470993
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2584441290602673
Low Importance Information Type F1 (positive class, multi-type, macro): 0.17650645859123137
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7183939229517091
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Run: UCDbaseline (UCDbaseline)


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

       Other Classes       1.00      0.96      0.98      9223
Request-GoodsServices       0.04      0.45      0.08        38

           micro avg        0.96      0.96      0.96      9261
           macro avg        0.52      0.70      0.53      9261
        weighted avg        0.99      0.96      0.97      9261


Request-SearchAndRescue
                        precision    recall  f1-score   support

         Other Classes       1.00      0.96      0.98      9252
Request-SearchAndRescue       0.00      0.11      0.01         9

             micro avg        0.96      0.96      0.96      9261
             macro avg        0.50      0.54      0.49      9261
          weighted avg        1.00      0.96      0.98      9261


Request-InformationWanted
                          precision    recall  f1-score   support

           Other Classes       1.00      0.94      0.97      9228
Request-InformationWanted       0.02      0.36      0.04        33

               micro avg        0.93      0.93      0.93      9261
               macro avg        0.51      0.65      0.50      9261
            weighted avg        0.99      0.93      0.96      9261


CallToAction-Volunteer
                       precision    recall  f1-score   support

        Other Classes       1.00      0.94      0.97      9237
CallToAction-Volunteer       0.03      0.67      0.06        24

            micro avg        0.94      0.94      0.94      9261
            macro avg        0.51      0.80      0.51      9261
         weighted avg        1.00      0.94      0.97      9261


CallToAction-Donations
                       precision    recall  f1-score   support

        Other Classes       1.00      0.92      0.96      9155
CallToAction-Donations       0.10      0.74      0.17       106

            micro avg        0.92      0.92      0.92      9261
            macro avg        0.55      0.83      0.57      9261
         weighted avg        0.99      0.92      0.95      9261


CallToAction-MovePeople
                       precision    recall  f1-score   support

        Other Classes       1.00      0.93      0.96      9158
CallToAction-MovePeople       0.09      0.64      0.16       103

            micro avg        0.93      0.93      0.93      9261
            macro avg        0.54      0.78      0.56      9261
         weighted avg        0.99      0.93      0.95      9261


Report-FirstPartyObservation
                             precision    recall  f1-score   support

             Other Classes       0.97      0.78      0.86      8942
Report-FirstPartyObservation       0.05      0.32      0.09       319

                 micro avg        0.76      0.76      0.76      9261
                 macro avg        0.51      0.55      0.47      9261
              weighted avg        0.94      0.76      0.84      9261
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Report-ThirdPartyObservation
                              precision    recall  f1-score   support

             Other Classes       0.82      0.68      0.75      7785
Report-ThirdPartyObservation     0.12      0.22      0.15      1476

                 micro avg       0.61      0.61      0.61      9261
                 macro avg       0.47      0.45      0.45      9261
              weighted avg       0.71      0.61      0.65      9261


Report-Weather
              precision    recall  f1-score   support

 Other Classes     0.90      0.95      0.92      8123
Report-Weather     0.41      0.25      0.31      1138

    micro avg       0.86      0.86      0.86      9261
    macro avg       0.66      0.60      0.62      9261
 weighted avg       0.84      0.86      0.85      9261


Report-Location
               precision    recall  f1-score   support

 Other Classes      0.56      0.69      0.62      4351
Report-Location     0.65      0.52      0.58      4910

    micro avg       0.60      0.60      0.60      9261
    macro avg       0.61      0.60      0.60      9261
 weighted avg       0.61      0.60      0.60      9261


Report-EmergingThreats
                        precision    recall  f1-score   support

         Other Classes     0.98      0.57      0.72      8621
Report-EmergingThreats     0.12      0.82      0.22       640

            micro avg       0.59      0.59      0.59      9261
            macro avg       0.55      0.69      0.47      9261
         weighted avg       0.92      0.59      0.69      9261


Report-NewSubEvent
                     precision    recall  f1-score   support

     Other Classes      0.98      0.76      0.86      9051
Report-NewSubEvent      0.03      0.27      0.05       210

        micro avg       0.75      0.75      0.75      9261
        macro avg       0.50      0.52      0.45      9261
     weighted avg       0.96      0.75      0.84      9261


Report-MultimediaShare
                        precision    recall  f1-score   support

         Other Classes     0.69      0.79      0.73      5719
Report-MultimediaShare     0.55      0.42      0.48      3542

            micro avg       0.65      0.65      0.65      9261
            macro avg       0.62      0.60      0.60      9261
         weighted avg       0.63      0.65      0.63      9261


Report-ServiceAvailable
                         precision    recall  f1-score   support

          Other Classes     0.98      0.90      0.94      8916
Report-ServiceAvailable     0.20      0.63      0.31       345

             micro avg       0.89      0.89      0.89      9261
             macro avg       0.59      0.77      0.62      9261
          weighted avg       0.96      0.89      0.92      9261


Report-Factoid
              precision    recall  f1-score   support
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Other Classes          0.83      0.74      0.78      6019
Report-Factoid         0.59      0.71      0.65      3242

   micro avg           0.73      0.73      0.73      9261
   macro avg           0.71      0.72      0.71      9261
weighted avg           0.74      0.73      0.73      9261


Report-Official
                   precision    recall  f1-score   support

Other Classes          0.95      0.64      0.77      8486
Report-Official        0.13      0.60      0.22       775

   micro avg           0.64      0.64      0.64      9261
   macro avg           0.54      0.62      0.49      9261
weighted avg           0.88      0.64      0.72      9261


Report-News
                   precision    recall  f1-score   support

Other Classes          0.81      0.50      0.62      6421
 Report-News           0.40      0.74      0.52      2840

   micro avg           0.57      0.57      0.57      9261
   macro avg           0.60      0.62      0.57      9261
weighted avg           0.68      0.57      0.59      9261


Report-CleanUp
                   precision    recall  f1-score   support

Other Classes          1.00      0.93      0.96      9201
Report-CleanUp         0.03      0.37      0.06        60

   micro avg           0.93      0.93      0.93      9261
   macro avg           0.51      0.65      0.51      9261
weighted avg           0.99      0.93      0.96      9261


Report-Hashtags
                   precision    recall  f1-score   support

Other Classes          0.84      0.68      0.75      6757
Report-Hashtags        0.44      0.66      0.53      2504

   micro avg           0.68      0.68      0.68      9261
   macro avg           0.64      0.67      0.64      9261
weighted avg           0.73      0.68      0.69      9261


Report-OriginalEvent
                      precision    recall  f1-score   support

   Other Classes          0.95      0.77      0.85      8321
Report-OriginalEvent      0.24      0.64      0.35       940

      micro avg           0.76      0.76      0.76      9261
      macro avg           0.59      0.70      0.60      9261
   weighted avg           0.88      0.76      0.80      9261


Other-ContextualInformation
                             precision    recall  f1-score   support

          Other Classes          0.98      0.57      0.72      9014
Other-ContextualInformation     0.03      0.55      0.06       247

              micro avg           0.57      0.57      0.57      9261
              macro avg           0.51      0.56      0.39      9261
           weighted avg           0.95      0.57      0.71      9261


Other-Advice
                   precision    recall  f1-score   support

Other Classes          0.99      0.55      0.71      8946
 Other-Advice          0.06      0.87      0.12       315

   micro avg           0.56      0.56      0.56      9261
   macro avg           0.53      0.71      0.41      9261
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weighted avg        0.96      0.56      0.69      9261


Other-Sentiment
                 precision    recall  f1-score   support

  Other Classes       0.94      0.84      0.89      8481
Other-Sentiment       0.21      0.45      0.28       780

      micro avg       0.81      0.81      0.81      9261
      macro avg       0.57      0.64      0.59      9261
   weighted avg       0.88      0.81      0.84      9261


Other-Discussion
                 precision    recall  f1-score   support

   Other Classes      0.96      0.47      0.63      8805
Other-Discussion      0.06      0.60      0.10       456

       micro avg      0.48      0.48      0.48      9261
       macro avg      0.51      0.54      0.37      9261
    weighted avg      0.91      0.48      0.61      9261


Other-Irrelevant
                 precision    recall  f1-score   support

   Other Classes      0.67      1.00      0.80      6224
Other-Irrelevant      0.43      0.01      0.01      3037

       micro avg      0.67      0.67      0.67      9261
       macro avg      0.55      0.50      0.41      9261
    weighted avg      0.59      0.67      0.54      9261
```