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


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.5548929663608563
> Low Importance Alert Worth:   -0.00031413435858035967
> Accumulated Alert Worth:      -0.27760355035971834


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.20060062508329576
> Information Type Recall (positive class, multi-type, macro):  0.07042450606343233
> Information Type F1 (positive class, multi-type, macro):      0.09220453685984693
> Information Type Accuracy (overall, multi-type, macro):       0.8635266169960047
> High Importance Information Type Precision (positive class, multi-type, macro):     0.03725490196078431
> High Importance Information Type Recall (positive class, multi-type, macro):  0.0039402173913043485
> High Importance Information Type F1 (positive class, multi-type, macro):      0.0071161253146651381
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9731850412122521
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.25218348501672044
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.09141954459147275
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.119074561558832975
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.8288976409277161


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.1152556509202923
> Priority Estimation Error High Importance (mean squared error, macro): 0.2111383917668628
> Priority Estimation Error Low Importance (mean squared error, macro): 0.08497689065295426


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LATEX
--------------------------------------------------
DLR_MeanMaxAAE_Regression & -0.5549 & -0.2776 & 0.0071 & 0.0707 & 0.8635 & 0.2111 & 0.1153 \\
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: DLR_MeanMaxAAE_Regression (DLR_MeanMaxAAE_Regression)


-------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
-------------------------------------------------
albertaWildfires2019
  Information Type Precision (positive class, multi-type, macro): 0.0
  Information Type Recall (positive class, multi-type, macro): 0.0
  Information Type F1 (positive class, multi-type, macro): 0.0
  Information Type Accuracy (overall, multi-type, macro): 0.8685399999999999
  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): 0.9774166666666666
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.0
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8341578947368421

cycloneKenneth2019
  Information Type Precision (positive class, multi-type, macro): 0.08
  Information Type Recall (positive class, multi-type, macro): 0.00024732506391440204
  Information Type F1 (positive class, multi-type, macro): 0.0004931114958970112
  Information Type Accuracy (overall, multi-type, macro): 0.8564682341170586
  High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
  High Importance Information Type Recall (positive class, multi-type, macro): 0.0004655493482309125
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0009285051067780873
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9478072369518094
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05263157894736842
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0001784121320249777
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.00035561877667140827
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8276243384850319

philippinesEarthquake2019
  Information Type Precision (positive class, multi-type, macro): 0.1580674383584041
  Information Type Recall (positive class, multi-type, macro): 0.12053462937787598
  Information Type F1 (positive class, multi-type, macro): 0.11284976306574801
  Information Type Accuracy (overall, multi-type, macro): 0.8929523809523807
  High Importance Information Type Precision (positive class, multi-type, macro): 0.028079710144927536
  High Importance Information Type Recall (positive class, multi-type, macro): 0.019191919191919194
  High Importance Information Type F1 (positive class, multi-type, macro): 0.022263836870578448
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9738512949039265
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.19911619463634408
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.15253759048923077
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14145584502211736
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8674053554939981

coloradoStemShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.13348219020134308
  Information Type Recall (positive class, multi-type, macro): 0.1303456676345385
  Information Type F1 (positive class, multi-type, macro): 0.09264980981180614
  Information Type Accuracy (overall, multi-type, macro): 0.8677320419693302
  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): 0.9962335216572505
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1756344607912409
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.17150745741386644
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1219076444892186
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8271526273310394

southAfricaFloods2019
  Information Type Precision (positive class, multi-type, macro): 0.22893410357985008
  Information Type Recall (positive class, multi-type, macro): 0.16280187685256503
  Information Type F1 (positive class, multi-type, macro): 0.15468539603079892
  Information Type Accuracy (overall, multi-type, macro): 0.8571682727946626
  High Importance Information Type Precision (positive class, multi-type, macro): 0.047619047619047616
  High Importance Information Type Recall (positive class, multi-type, macro): 0.012315865732914757
  High Importance Information Type F1 (positive class, multi-type, macro): 0.01860502255759173
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9708425994563875
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.28619148967273506
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.21032377510087563
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.19765814554865388
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8212711170067498

sandiegoSynagogueShooting2019
  Information Type Precision (positive class, multi-type, macro): 0.19107562146623772
  Information Type Recall (positive class, multi-type, macro): 0.087481524190074
  Information Type F1 (positive class, multi-type, macro): 0.070707769998273308
  Information Type Accuracy (overall, multi-type, macro): 0.788041237113402
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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): 0.9960726558664703
Low Importance Information Type Precision (positive class, multi-type, macro): 0.25141529140294433
Low Importance Information Type Recall (positive class, multi-type, macro): 0.11510726867115001
Low Importance Information Type F1 (positive class, multi-type, macro): 0.09303653947141195
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7223471048755911
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TREC-IS 2019-B Notebook Evaluator v2.3
Run: DLR_MeanMaxAAE_Regression (DLR_MeanMaxAAE_Regression)


-------------------------------------------------
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      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      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    0.08      0.06      0.07        33

             micro avg       0.99      0.99      0.99      9261
             macro avg       0.54      0.53      0.53      9261
          weighted avg       0.99      0.99      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      0.30      0.11      0.16       106

            micro avg       0.99      0.99      0.99      9261
            macro avg       0.64      0.56      0.58      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      0.96      0.97      8942
Report-FirstPartyObservation    0.07      0.08      0.07       319

               micro avg       0.93      0.93      0.93      9261
               macro avg       0.52      0.52      0.52      9261
            weighted avg       0.94      0.93      0.93      9261
```

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Report-ThirdPartyObservation
                              precision    recall   f1-score    support

           Other Classes        0.84       0.94       0.88       7785
Report-ThirdPartyObservation    0.09       0.03       0.05       1476

                 micro avg      0.79       0.79       0.79       9261
                 macro avg      0.47       0.49       0.47       9261
              weighted avg      0.72       0.79       0.75       9261


Report-Weather
                precision    recall   f1-score    support

 Other Classes     0.88       0.99       0.93        8123
Report-Weather     0.22       0.01       0.02        1138

     micro avg     0.87       0.87       0.87        9261
     macro avg     0.55       0.50       0.48        9261
  weighted avg     0.80       0.87       0.82        9261


Report-Location
                precision    recall   f1-score    support

  Other Classes    0.48       0.98       0.64        4351
Report-Location    0.70       0.04       0.07        4910

      micro avg    0.48       0.48       0.48        9261
      macro avg    0.59       0.51       0.36        9261
   weighted avg    0.60       0.48       0.34        9261


Report-EmergingThreats
                        precision    recall   f1-score    support

        Other Classes     0.93       0.99       0.96        8621
Report-EmergingThreats    0.05       0.01       0.01         640

            micro avg     0.92       0.92       0.92        9261
            macro avg     0.49       0.50       0.49        9261
         weighted avg     0.87       0.92       0.89        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     0.97       0.97       0.97        9261
        macro avg     0.49       0.50       0.49        9261
     weighted avg     0.96       0.97       0.96        9261


Report-MultimediaShare
                        precision    recall   f1-score    support

        Other Classes     0.62       0.93       0.74        5719
Report-MultimediaShare    0.39       0.07       0.12        3542

            micro avg     0.60       0.60       0.60        9261
            macro avg     0.51       0.50       0.43        9261
         weighted avg     0.53       0.60       0.51        9261


Report-ServiceAvailable
                        precision    recall   f1-score    support

        Other Classes     0.96       1.00       0.98        8916
Report-ServiceAvailable   0.18       0.02       0.03         345

            micro avg     0.96       0.96       0.96        9261
            macro avg     0.57       0.51       0.51        9261
         weighted avg     0.93       0.96       0.94        9261


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

```
Other Classes           0.69      0.92      0.79      6019
Report-Factoid          0.62      0.23      0.33      3242

   micro avg            0.68      0.68      0.68      9261
   macro avg            0.65      0.58      0.56      9261
weighted avg            0.66      0.68      0.63      9261


Report-Official
                   precision    recall  f1-score   support

Other Classes           0.92      1.00      0.95      8486
Report-Official         0.28      0.02      0.04       775

   micro avg            0.91      0.91      0.91      9261
   macro avg            0.60      0.51      0.50      9261
weighted avg            0.86      0.91      0.88      9261


Report-News
                   precision    recall  f1-score   support

Other Classes           0.71      0.90      0.79      6421
  Report-News           0.42      0.16      0.23      2840

   micro avg            0.67      0.67      0.67      9261
   macro avg            0.56      0.53      0.51      9261
weighted avg            0.62      0.67      0.62      9261


Report-CleanUp
                   precision    recall  f1-score   support

Other Classes           0.99      1.00      1.00      9201
Report-CleanUp          0.33      0.13      0.19        60

   micro avg            0.99      0.99      0.99      9261
   macro avg            0.66      0.57      0.59      9261
weighted avg            0.99      0.99      0.99      9261


Report-Hashtags
                   precision    recall  f1-score   support

Other Classes           0.73      0.92      0.81      6757
Report-Hashtags         0.24      0.07      0.11      2504

   micro avg            0.69      0.69      0.69      9261
   macro avg            0.49      0.49      0.46      9261
weighted avg            0.60      0.69      0.62      9261


Report-OriginalEvent
                       precision    recall  f1-score   support

    Other Classes           0.92      0.96      0.94      8321
Report-OriginalEvent        0.38      0.23      0.29       940

       micro avg            0.88      0.88      0.88      9261
       macro avg            0.65      0.60      0.61      9261
    weighted avg            0.86      0.88      0.87      9261


Other-ContextualInformation
                            precision    recall  f1-score   support

           Other Classes        0.97      0.94      0.96      9014
Other-ContextualInformation     0.04      0.09      0.05       247

              micro avg         0.92      0.92      0.92      9261
              macro avg         0.51      0.51      0.51      9261
           weighted avg         0.95      0.92      0.93      9261


Other-Advice
                   precision    recall  f1-score   support

Other Classes           0.97      0.99      0.98      8946
 Other-Advice           0.08      0.03      0.04       315

   micro avg            0.96      0.96      0.96      9261
   macro avg            0.52      0.51      0.51      9261
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weighted avg      0.94      0.96      0.95       9261


Other-Sentiment
                precision   recall  f1-score   support

  Other Classes      0.93      0.91      0.92      8481
Other-Sentiment      0.20      0.23      0.21       780

      micro avg      0.86      0.86      0.86      9261
      macro avg      0.56      0.57      0.57      9261
   weighted avg      0.87      0.86      0.86      9261


Other-Discussion
                 precision   recall  f1-score   support

   Other Classes      0.95      0.94      0.94      8805
Other-Discussion      0.02      0.02      0.02       456

       micro avg      0.89      0.89      0.89      9261
       macro avg      0.48      0.48      0.48      9261
    weighted avg      0.90      0.89      0.90      9261


Other-Irrelevant
                 precision   recall  f1-score   support

   Other Classes      0.67      0.87      0.76      6224
Other-Irrelevant      0.32      0.12      0.18      3037

       micro avg      0.63      0.63      0.63      9261
       macro avg      0.50      0.50      0.47      9261
    weighted avg      0.56      0.63      0.57      9261
```