```
TREC-IS 2019-B Notebook Evaluator v2.3
Run: nyu-smapp_run_baseline_multi (nyu-smapp_run_baseline_multi.csv)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:  -0.12132564841498603
> Low Importance Alert Worth:   -0.27320666214822403
> Accumulated Alert Worth:      -0.19726615528160502


--------------------------------------------------
EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):       0.15258680316528464
> Information Type Recall (positive class, multi-type, macro):  0.33963651142714735
> Information Type F1 (positive class, multi-type, macro):      0.18277514222067573
> Information Type Accuracy (overall, multi-type, macro):       0.8356802899310103
> High Importance Information Type Precision (positive class, multi-type, macro):      0.056994629178287425
> High Importance Information Type Recall (positive class, multi-type, macro):  0.2834536224972873
> High Importance Information Type F1 (positive class, multi-type, macro):      0.08577101802455933
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9376255348877828
> Low Importance Information Type Precision (positive class, multi-type, macro):        0.1844508611609504
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.35836414107043396
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.2151098502860479
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.8016985416120863


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Estimation Error (mean squared error, macro): 0.10357841520057343
> Priority Estimation Error High Importance (mean squared error, macro): 0.12227715877031992
> Priority Estimation Error Low Importance (mean squared error, macro): 0.0973455006773246


--------------------------------------------------
LATEX
--------------------------------------------------
nyu-smapp_run_baseline_multi & -0.1213 & -0.1973 & 0.0858 & 0.2087 & 0.8357 & 0.1223 & 0.1036 \\
```

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TREC-IS 2019-B Notebook Evaluator v2.3
Run: nyu-smapp_run_baseline_multi (nyu-smapp_run_baseline_multi.csv)


-------------------------------------------------
EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
-------------------------------------------------
floodChoco2019
  Information Type Precision (positive class, multi-type, macro): 0.05469474237433767
  Information Type Recall (positive class, multi-type, macro): 0.1143882813988946
  Information Type F1 (positive class, multi-type, macro): 0.03551409862406915
  Information Type Accuracy (overall, multi-type, macro): 0.8120179948586119
  High Importance Information Type Precision (positive class, multi-type, macro): 0.002777777777777778
  High Importance Information Type Recall (positive class, multi-type, macro): 0.027777777777777776
  High Importance Information Type F1 (positive class, multi-type, macro): 0.00505050505050505
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9018851756640959
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.07200039723985764
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.14325844927260023
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0456686298152577177
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7820622679234505

earthquakeCalifornia2014
  Information Type Precision (positive class, multi-type, macro): 0.13957019850333022
  Information Type Recall (positive class, multi-type, macro): 0.20660153345748666
  Information Type F1 (positive class, multi-type, macro): 0.13944124405808475
  Information Type Accuracy (overall, multi-type, macro): 0.8293963254593174
  High Importance Information Type Precision (positive class, multi-type, macro): 0.025641025641025644
  High Importance Information Type Recall (positive class, multi-type, macro): 0.03333333333333333
  High Importance Information Type F1 (positive class, multi-type, macro): 0.028985507246376812
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9461942257217849
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.17754658945743174
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2643576001655378
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17625982299532073
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7904636920384953

earthquakeBohol2013
  Information Type Precision (positive class, multi-type, macro): 0.16922721746860972
  Information Type Recall (positive class, multi-type, macro): 0.4098684306287677
  Information Type F1 (positive class, multi-type, macro): 0.18276109109730057
  Information Type Accuracy (overall, multi-type, macro): 0.8264674205708132
  High Importance Information Type Precision (positive class, multi-type, macro): 0.020236731576937762
  High Importance Information Type Recall (positive class, multi-type, macro): 0.25
  High Importance Information Type F1 (positive class, multi-type, macro): 0.03592377729433567
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9173397953688746
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2188907127658337
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.4631579075050236
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.231706862236495555
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7961766289714594

hurricaneFlorence2018
  Information Type Precision (positive class, multi-type, macro): 0.15563063026901827
  Information Type Recall (positive class, multi-type, macro): 0.3315531511795403
  Information Type F1 (positive class, multi-type, macro): 0.17545090891035878
  Information Type Accuracy (overall, multi-type, macro): 0.8343670801653995
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0749762506626039
  High Importance Information Type Recall (positive class, multi-type, macro): 0.3266992991433975
  High Importance Information Type F1 (positive class, multi-type, macro): 0.096073005225482
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9303054555155393
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1825154234711564
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3331711018582546
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.20191021013865107
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8023876217153527

shootingDallas2017
  Information Type Precision (positive class, multi-type, macro): 0.1060693738870736
  Information Type Recall (positive class, multi-type, macro): 0.17534309967379147
  Information Type F1 (positive class, multi-type, macro): 0.08495190575355988
  Information Type Accuracy (overall, multi-type, macro): 0.862625
  High Importance Information Type Precision (positive class, multi-type, macro): 0.013257575757575758
  High Importance Information Type Recall (positive class, multi-type, macro): 0.06481481481481481
  High Importance Information Type F1 (positive class, multi-type, macro): 0.0220125786163522
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9874166666666667
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.13700663993023954
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.21218586129345032
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10593168146596245
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8210277777777777

fireYMM2016
  Information Type Precision (positive class, multi-type, macro): 0.18861543081027146
  Information Type Recall (positive class, multi-type, macro): 0.37944920283643174
  Information Type F1 (positive class, multi-type, macro): 0.2087473338693847
  Information Type Accuracy (overall, multi-type, macro): 0.8182291666666668
```

```
High Importance Information Type Precision (positive class, multi-type, macro): 0.08622179885796444
High Importance Information Type Recall (positive class, multi-type, macro): 0.29864814009033713
High Importance Information Type F1 (positive class, multi-type, macro): 0.11442965346373274
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9096666666666667
Low Importance Information Type Precision (positive class, multi-type, macro): 0.22274664146104048
Low Importance Information Type Recall (positive class, multi-type, macro): 0.40638289041846315
Low Importance Information Type F1 (positive class, multi-type, macro): 0.24018656067126867
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.78775
```

```
TREC-IS 2019-B Notebook Evaluator v2.3
Run: nyu-smapp_run_baseline_multi (nyu-smapp_run_baseline_multi.csv)


--------------------------------------------------
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       7611
Request-GoodsServices       0.02      0.26        0.04         23

           micro avg       0.96      0.96        0.96       7634
           macro avg       0.51      0.61        0.51       7634
        weighted avg       0.99      0.96        0.98       7634


Request-SearchAndRescue
                      precision    recall    f1-score    support

        Other Classes       1.00      0.97        0.99       7624
Request-SearchAndRescue       0.03      0.60        0.05         10

           micro avg       0.97      0.97        0.97       7634
           macro avg       0.51      0.79        0.52       7634
        weighted avg       1.00      0.97        0.98       7634


Request-InformationWanted
                       precision    recall    f1-score    support

         Other Classes       0.99      0.93        0.96       7563
Request-InformationWanted       0.04      0.28        0.07         71

            micro avg       0.93      0.93        0.93       7634
            macro avg       0.52      0.61        0.51       7634
         weighted avg       0.98      0.93        0.95       7634


CallToAction-Volunteer
                      precision    recall    f1-score    support

        Other Classes       1.00      0.95        0.97       7610
CallToAction-Volunteer       0.01      0.21        0.02         24

           micro avg       0.95      0.95        0.95       7634
           macro avg       0.51      0.58        0.50       7634
        weighted avg       0.99      0.95        0.97       7634


CallToAction-Donations
                      precision    recall    f1-score    support

        Other Classes       1.00      0.95        0.97       7556
CallToAction-Donations       0.11      0.54        0.18         78

           micro avg       0.95      0.95        0.95       7634
           macro avg       0.55      0.75        0.57       7634
        weighted avg       0.99      0.95        0.97       7634


CallToAction-MovePeople
                      precision    recall    f1-score    support

        Other Classes       0.99      0.94        0.96       7526
CallToAction-MovePeople       0.05      0.19        0.08        108

           micro avg       0.93      0.93        0.93       7634
           macro avg       0.52      0.57        0.52       7634
        weighted avg       0.97      0.93        0.95       7634


Report-FirstPartyObservation
                          precision    recall    f1-score    support

           Other Classes       0.95      0.64        0.77       7150
Report-FirstPartyObservation       0.09      0.52        0.15        484

               micro avg       0.63      0.63        0.63       7634
               macro avg       0.52      0.58        0.46       7634
            weighted avg       0.90      0.63        0.73       7634
```

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

               Other Classes     0.97       0.81       0.88       7317
 Report-ThirdPartyObservation     0.08       0.36       0.12        317

                   micro avg     0.79       0.79       0.79       7634
                   macro avg     0.52       0.59       0.50       7634
                weighted avg     0.93       0.79       0.85       7634


Report-Weather
                 precision     recall   f1-score    support

 Other Classes      0.97       0.91       0.94       7334
Report-Weather      0.16       0.43       0.23        300

    micro avg       0.89       0.89       0.89       7634
    macro avg       0.57       0.67       0.58       7634
 weighted avg       0.94       0.89       0.91       7634


Report-EmergingThreats
                        precision     recall   f1-score    support

         Other Classes     0.95       0.90       0.92       7168
 Report-EmergingThreats     0.15       0.29       0.20        466

             micro avg     0.86       0.86       0.86       7634
             macro avg     0.55       0.59       0.56       7634
          weighted avg     0.90       0.86       0.88       7634


Report-NewSubEvent
                    precision     recall   f1-score    support

     Other Classes     0.98       1.00       0.99       7493
 Report-NewSubEvent     0.00       0.00       0.00        141

         micro avg     0.98       0.98       0.98       7634
         macro avg     0.49       0.50       0.50       7634
      weighted avg     0.96       0.98       0.97       7634


Report-MultimediaShare
                        precision     recall   f1-score    support

         Other Classes     0.85       0.82       0.84       6034
 Report-MultimediaShare     0.40       0.44       0.42       1600

             micro avg     0.74       0.74       0.74       7634
             macro avg     0.62       0.63       0.63       7634
          weighted avg     0.75       0.74       0.75       7634


Report-ServiceAvailable
                        precision     recall   f1-score    support

         Other Classes     0.99       0.93       0.96       7484
 Report-ServiceAvailable     0.09       0.36       0.15        150

             micro avg     0.92       0.92       0.92       7634
             macro avg     0.54       0.65       0.55       7634
          weighted avg     0.97       0.92       0.94       7634


Report-Factoid
                 precision     recall   f1-score    support

 Other Classes      0.89       0.85       0.87       6625
Report-Factoid      0.25       0.32       0.28       1009

    micro avg       0.78       0.78       0.78       7634
    macro avg       0.57       0.59       0.58       7634
 weighted avg       0.81       0.78       0.79       7634


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

```
       Other Classes        0.98      0.89      0.93      7404
     Report-Official        0.11      0.45      0.18       230

           micro avg        0.87      0.87      0.87      7634
           macro avg        0.55      0.67      0.55      7634
        weighted avg        0.95      0.87      0.91      7634
```

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

       Other Classes        0.88      0.58      0.70      6158
         Report-News        0.28      0.68      0.40      1476

           micro avg        0.60      0.60      0.60      7634
           macro avg        0.58      0.63      0.55      7634
        weighted avg        0.77      0.60      0.64      7634
```

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

       Other Classes        0.99      0.96      0.98      7559
      Report-CleanUp        0.04      0.15      0.06        75

           micro avg        0.95      0.95      0.95      7634
           macro avg        0.51      0.55      0.52      7634
        weighted avg        0.98      0.95      0.97      7634
```

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

       Other Classes        0.60      0.80      0.69      3789
     Report-Hashtags        0.71      0.48      0.58      3845

           micro avg        0.64      0.64      0.64      7634
           macro avg        0.66      0.64      0.63      7634
        weighted avg        0.66      0.64      0.63      7634
```

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

           Other Classes        0.88      1.00      0.94      6751
    Report-OriginalEvent        0.00      0.00      0.00       883

               micro avg        0.88      0.88      0.88      7634
               macro avg        0.44      0.50      0.47      7634
            weighted avg        0.78      0.88      0.83      7634
```

Other-ContextualInformation
```
                                precision    recall  f1-score   support

                Other Classes        0.96      1.00      0.98      7365
  Other-ContextualInformation        0.00      0.00      0.00       269

                    micro avg        0.96      0.96      0.96      7634
                    macro avg        0.48      0.50      0.49      7634
                 weighted avg        0.93      0.96      0.95      7634
```

Other-Advice
```
                     precision    recall  f1-score   support

       Other Classes        0.96      0.83      0.89      7183
        Other-Advice        0.13      0.41      0.20       451

           micro avg        0.80      0.80      0.80      7634
           macro avg        0.54      0.62      0.54      7634
        weighted avg        0.91      0.80      0.85      7634
```

Other-Sentiment
```
                     precision    recall  f1-score   support

       Other Classes        0.88      0.76      0.82      5844
     Other-Sentiment        0.46      0.66      0.54      1790

           micro avg        0.74      0.74      0.74      7634
           macro avg        0.67      0.71      0.68      7634
```

	precision	recall	f1-score	support
weighted avg	0.78	0.74	0.75	7634

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.92	0.75	0.83	7064
Other-Discussion	0.06	0.18	0.09	570
micro avg	0.71	0.71	0.71	7634
macro avg	0.49	0.47	0.46	7634
weighted avg	0.85	0.71	0.77	7634

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.68	0.76	0.72	5013
Other-Irrelevant	0.41	0.33	0.36	2621
micro avg	0.61	0.61	0.61	7634
macro avg	0.55	0.54	0.54	7634
weighted avg	0.59	0.61	0.60	7634