TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: njit-sub02.text+aug (njit-sub02.text+aug.2020A.task1.run)

EVALUATON: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.5023640661938521
> Low Importance Alert Worth: -0.009589548270742107
> Accumulated Alert Worth: -0.2559768072322971

EVALUATON: nDCG and Priority
Overall performance

> nDCG: 0.47758535066627256

EVALUATON: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.2259733818928522
> Information Type Recall (positive class, multi-type, macro): 0.26527851051916007
> Information Type F1 (positive class, multi-type, macro):   0.20885307638904443
> Information Type Accuracy (overall, multi-type, macro):   0.9056448842725114
> High Importance Information Type Precision (positive class, multi-type, macro):   0.19973312813035107
> High Importance Information Type Recall (positive class, multi-type, macro): 0.13221468779348944
> High Importance Information Type F1 (positive class, multi-type, macro):   0.14656886365176955
> High Importance Information Type Accuracy (overall, multi-type, macro):   0.9762002126441481
> Low Importance Information Type Precision (positive class, multi-type, macro):   0.2342597778178525
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.3072986650641087
> Low Importance Information Type F1 (positive class, multi-type, macro):   0.22852177514818384
> Low Importance Information Type Accuracy (overall, multi-type, macro):   0.8833642542604161

EVALUATON: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.20763634536979703
> Priority Label Prediction High Importance (F1, macro): 0.09576834195523375
> Priority Label Prediction Low Importance (F1, macro): 0.24296308329018548

LATEX
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njit-sub02.text+aug & 0.4776 & -0.5024 & -0.2560 & 0.1466 & 0.2089 & 0.9056 & 0.0958 & 0.2076 \\

TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: njit-sub02.text+aug (njit-sub02.text+aug.2020A.task1.run)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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athensEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.1027983772209505
  Information Type Recall (positive class, multi-type, macro): 0.10020937102113571
  Information Type F1 (positive class, multi-type, macro): 0.08738668686105493
  Information Type Accuracy (overall, multi-type, macro): 0.9168710359408032
  High Importance Information Type Precision (positive class, multi-type, macro): 0.037037037037037035
  High Importance Information Type Recall (positive class, multi-type, macro): 0.14285714285714285
  High Importance Information Type F1 (positive class, multi-type, macro): 0.05882352941176471
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9767441860465116
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12356511622639686
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.08674165359923874
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09640663131872552
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8979637253811061

baltimoreFlashFlood2020
  Information Type Precision (positive class, multi-type, macro): 0.04
  Information Type Recall (positive class, multi-type, macro): 0.030598290598290598
  Information Type F1 (positive class, multi-type, macro): 0.034673123486682805
  Information Type Accuracy (overall, multi-type, macro): 0.9576119402985076
  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): 0.9957356076759063
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05263157894736842
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.04026090868196131
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.04562253090353001
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.945572887442487

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.18398337366047737
  Information Type Recall (positive class, multi-type, macro): 0.13296563758019342
  Information Type F1 (positive class, multi-type, macro): 0.145353811140106
  Information Type Accuracy (overall, multi-type, macro): 0.8773277661795408
  High Importance Information Type Precision (positive class, multi-type, macro): 0.027777777777777776
  High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
  High Importance Information Type F1 (positive class, multi-type, macro): 0.022222222222222223
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9909533750869869
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.23331145657080354
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.16910683307335392
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.18423747079838507

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8414459949456102

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.06512199042532663
  Information Type Recall (positive class, multi-type, macro): 0.06152724297892515
  Information Type F1 (positive class, multi-type, macro): 0.05205120933656914
  Information Type Accuracy (overall, multi-type, macro): 0.9285894736842105
  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): 0.9968421052631579
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08568682950700872
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.08095689865648047
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06848843333759098
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9070360110803325

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.14659456095145923
  Information Type Recall (positive class, multi-type, macro): 0.16514140213304312
  Information Type F1 (positive class, multi-type, macro): 0.13318144879383167
  Information Type Accuracy (overall, multi-type, macro): 0.9330957683741647
  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): 0.9985152190051968
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.19288758019928845
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.21729131859610937
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1752387484129364
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.912436994490681

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.16217203135754368
  Information Type Recall (positive class, multi-type, macro): 0.11602141159927254
  Information Type F1 (positive class, multi-type, macro): 0.1300344502468121
  Information Type Accuracy (overall, multi-type, macro): 0.9398297872340425
  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): 0.999645390070922
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.21338425178624168
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.15265975210430596
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.17109796085106854
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9209406494960808

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.11503078130663014
  Information Type Recall (positive class, multi-type, macro): 0.2519338110541129

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  Information Type F1 (positive class, multi-type, macro): 0.10145789282062553
  Information Type Accuracy (overall, multi-type, macro): 0.9066098081023454
  High Importance Information Type Precision (positive class, multi-type, macro): 0.17231638418079095
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13888888888888887
  High Importance Information Type F1 (positive class, multi-type, macro): 0.12136752136752137
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9733475479744137
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.0969405909253162
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.28763220752734153
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09517064170055316
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8855347323532712

indonesiaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.20196586619219803
  Information Type Recall (positive class, multi-type, macro): 0.14339275674189944
  Information Type F1 (positive class, multi-type, macro): 0.13236629503107777
  Information Type Accuracy (overall, multi-type, macro): 0.8856170212765956
  High Importance Information Type Precision (positive class, multi-type, macro): 0.3199404761904762
  High Importance Information Type Recall (positive class, multi-type, macro): 0.18574423480083857
  High Importance Information Type F1 (positive class, multi-type, macro): 0.23275187297327515
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9152482269503546
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1647107261927418
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1300186057759187
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10066558620722596
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8762597984322509

keralaFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.3725764912903265
  Information Type Recall (positive class, multi-type, macro): 0.2795733352160108
  Information Type F1 (positive class, multi-type, macro): 0.28368092988379234
  Information Type Accuracy (overall, multi-type, macro): 0.8750895140664963
  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): 0.9539641943734015
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.49023222538200856
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.3678596516000142
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.3732643814260425
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8501817202853682

myanmarFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.25548226013214925
  Information Type Recall (positive class, multi-type, macro): 0.21457481727904335
  Information Type F1 (positive class, multi-type, macro): 0.18076778139537983
  Information Type Accuracy (overall, multi-type, macro): 0.9115744680851064
  High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
  High Importance Information Type Recall (positive class, multi-type, macro): 0.009689922480620155
  High Importance Information Type F1 (positive class, multi-type, macro): 0.018315018315018312
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    High Importance Information Type Accuracy (overall, multi-type, macro): 0.9595744680851065
    Low Importance Information Type Precision (positive class, multi-type, macro): 0.2835292896475648
    Low Importance Information Type Recall (positive class, multi-type, macro): 0.27927531037328224
    Low Importance Information Type F1 (positive class, multi-type, macro): 0.2320686539470729
    Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8964165733482643

papuaNewguineaEarthquake2020
    Information Type Precision (positive class, multi-type, macro): 0.23793609124352344
    Information Type Recall (positive class, multi-type, macro): 0.10965109391282239
    Information Type F1 (positive class, multi-type, macro): 0.08513336738992433
    Information Type Accuracy (overall, multi-type, macro): 0.8583445190156601
    High Importance Information Type Precision (positive class, multi-type, macro): 0.0925925925925926
    High Importance Information Type Recall (positive class, multi-type, macro): 0.0252525252525252
    High Importance Information Type F1 (positive class, multi-type, macro): 0.03968253968253969
    High Importance Information Type Accuracy (overall, multi-type, macro): 0.9459358687546607
    Low Importance Information Type Precision (positive class, multi-type, macro): 0.2838340381859226
    Low Importance Information Type Recall (positive class, multi-type, macro): 0.13630327348975832
    Low Importance Information Type F1 (positive class, multi-type, macro): 0.09948626035015105
    Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8306840927822915

siberianWildfires2020
    Information Type Precision (positive class, multi-type, macro): 0.19500263329548473
    Information Type Recall (positive class, multi-type, macro): 0.10112743200533299
    Information Type F1 (positive class, multi-type, macro): 0.10023637982459295
    Information Type Accuracy (overall, multi-type, macro): 0.8980590717299577
    High Importance Information Type Precision (positive class, multi-type, macro): 0.151515151515151152
    High Importance Information Type Recall (positive class, multi-type, macro): 0.023809523809523808
    High Importance Information Type F1 (positive class, multi-type, macro): 0.0411522633744856
    High Importance Information Type Accuracy (overall, multi-type, macro): 0.9757383966244725
    Low Importance Information Type Precision (positive class, multi-type, macro): 0.2087355222787479
    Low Importance Information Type Recall (positive class, multi-type, macro): 0.1255436135408517
    Low Importance Information Type F1 (positive class, multi-type, macro): 0.118894521861469
    Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8735287586053742

typhoonKrosa2020
    Information Type Precision (positive class, multi-type, macro): 0.07151558480478537
    Information Type Recall (positive class, multi-type, macro): 0.17300381388253241
    Information Type F1 (positive class, multi-type, macro): 0.052321368965128234
    Information Type Accuracy (overall, multi-type, macro): 0.8604291845493564
    High Importance Information Type Precision (positive class, multi-type, macro): 0.006410256410256411
    High Importance Information Type Recall (positive class, multi-type, macro): 0.08333333333333333
    High Importance Information Type F1 (positive class, multi-type, macro): 0.011904761904761906
    High Importance Information Type Accuracy (overall, multi-type, macro): 0.9824749642346209
    Low Importance Information Type Precision (positive class, multi-type, macro): 0.09207516219253135
    Low Importance Information Type Recall (positive class, multi-type, macro): 0.20132080774017422
    Low Importance Information Type F1 (positive class, multi-type, macro): 0.06508450803682288
    Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8218884120171674

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.09308224106540551
  Information Type Recall (positive class, multi-type, macro): 0.1088114813212805
  Information Type F1 (positive class, multi-type, macro): 0.05477742338025356
  Information Type Accuracy (overall, multi-type, macro): 0.8651599147121535
  High Importance Information Type Precision (positive class, multi-type, macro): 0.038461538461538464
  High Importance Information Type Recall (positive class, multi-type, macro): 0.011627906976744186
  High Importance Information Type F1 (positive class, multi-type, macro): 0.017857142857142856
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9793887704335464
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.11033088399294248
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.139501031114292
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06643645933492012
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8290876444843452

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.33266316152824493
  Information Type Recall (positive class, multi-type, macro): 0.19119776519693082
  Information Type F1 (positive class, multi-type, macro): 0.221908228691363
  Information Type Accuracy (overall, multi-type, macro): 0.8729523809523809
  High Importance Information Type Precision (positive class, multi-type, macro): 0.3553030303030303
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13001638001638002
  High Importance Information Type F1 (positive class, multi-type, macro): 0.18790296582849775
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.3255137292835759
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2105182026223679
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.23264673275332048
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8644110275689225

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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	12216
Request-GoodsServices	0.00	0.00	0.00	11
avg / total	1.00	1.00	1.00	12227

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12216
Request-SearchAndRescue	0.00	0.00	0.00	11
avg / total	1.00	1.00	1.00	12227

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12196
Request-InformationWanted	0.06	0.06	0.06	31
avg / total	1.00	1.00	1.00	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12214
CallToAction-Volunteer	0.80	0.62	0.70	13
avg / total	1.00	1.00	1.00	12227

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12197

CallToAction-Donations			
CallToAction-Donations	0.34	0.77	0.47	30
avg / total	1.00	1.00	1.00	12227

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	12109
CallToAction-MovePeople	0.69	0.30	0.41	118
avg / total	0.99	0.99	0.99	12227

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.99	12187
Report-FirstPartyObservation	0.02	0.17	0.04	40
avg / total	0.99	0.97	0.98	12227

Report-ThirdPartyObservation

	precision	recall	f1-score	support
Other Classes	0.97	0.89	0.93	11890
Report-ThirdPartyObservation	0.03	0.14	0.05	337
avg / total	0.95	0.87	0.90	12227

Report-Weather

	precision	recall	f1-score	support
Other Classes	0.99	0.87	0.93	12080
Report-Weather	0.04	0.41	0.07	147
avg / total	0.98	0.87	0.92	12227

Report-Location

	precision	recall	f1-score	support
Other Classes	0.74	0.91	0.82	8786
Report-Location	0.47	0.21	0.29	3441

```
      avg / total        0.67        0.71        0.67       12227
```

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

      Other Classes        0.96        0.97        0.96       11419
Report-EmergingThreats     0.45        0.37        0.40        808

         avg / total       0.92        0.93        0.92       12227
```

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

      Other Classes     0.97        0.99        0.98       11828
Report-NewSubEvent      0.04        0.01        0.02        399

         avg / total    0.94        0.96        0.95       12227
```

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

      Other Classes        0.83        0.82        0.82       9860
Report-MultimediaShare     0.27        0.29        0.28       2367

         avg / total       0.72        0.71        0.72       12227
```

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

      Other Classes         1.00        0.99        0.99       12185
Report-ServiceAvailable     0.03        0.12        0.04         42

         avg / total        0.99        0.98        0.99       12227
```

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

 Other Classes     0.91        0.91        0.91       10563
Report-Factoid     0.42        0.42        0.42       1664

   avg / total     0.84        0.84        0.84       12227
```

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	11844
Report-Official	0.07	0.08	0.08	383
avg / total	0.94	0.94	0.94	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.93	0.69	0.79	10583
Report-News	0.25	0.67	0.36	1644
avg / total	0.84	0.69	0.73	12227

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	12220
Report-CleanUp	0.02	0.29	0.04	7
avg / total	1.00	0.99	1.00	12227

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.91	0.94	0.93	10806
Report-Hashtags	0.43	0.33	0.37	1421
avg / total	0.86	0.87	0.86	12227

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.96	0.97	11999
Report-OriginalEvent	0.00	0.00	0.00	228
avg / total	0.96	0.94	0.95	12227

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.97	0.97	11732
Other-ContextualInformation	0.02	0.01	0.02	495
avg / total	0.92	0.93	0.93	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	12084
Other-Advice	0.29	0.42	0.34	143
avg / total	0.98	0.98	0.98	12227

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.95	0.97	12055
Other-Sentiment	0.11	0.47	0.18	172
avg / total	0.98	0.94	0.96	12227

Other-Discussion

	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.98	12197
Other-Discussion	0.00	0.03	0.00	30
avg / total	1.00	0.97	0.98	12227

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.44	0.80	0.57	4339
Other-Irrelevant	0.81	0.45	0.57	7888
avg / total	0.68	0.57	0.57	12227