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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)


--------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
--------------------------------------------------
> High Importance Alert Worth:   -0.4488179669030713
> Low Importance Alert Worth:    -0.0414351576890201
> Accumulated Alert Worth:       -0.2451265622960457


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EVALUATON: nDCG and Priority
Overall performance
--------------------------------------------------
> nDCG: 0.4758746941981234


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EVALUATON: Information Type Categorization
Overall performance
--------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.1906065834506172
> Information Type Recall (positive class, multi-type, macro):  0.22250011287011986
> Information Type F1 (positive class, multi-type, macro):      0.17185683011623876
> Information Type Accuracy (overall, multi-type, macro):       0.8965797006624683
> High Importance Information Type Precision (positive class, multi-type, macro):     0.21359439233526825
> High Importance Information Type Recall (positive class, multi-type, macro):  0.13586514602779254
> High Importance Information Type F1 (positive class, multi-type, macro):      0.14907174149046057
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9718110193288078
> Low Importance Information Type Precision (positive class, multi-type, macro):      0.18334727538178003
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.24985852345190737
> Low Importance Information Type F1 (positive class, multi-type, macro):       0.17905212126122141
> Low Importance Information Type Accuracy (overall, multi-type, macro):        0.8728224421362559


--------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
--------------------------------------------------
> Priority Label Prediction (F1, macro): 0.2363514334179605
> Priority Label Prediction High Importance (F1, macro): 0.23067317293914966
> Priority Label Prediction Low Importance (F1, macro): 0.23814456830600608


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LATEX
--------------------------------------------------
UCD_CS_R4 & 0.4759 & -0.4488 & -0.2451 & 0.1491 & 0.1719 & 0.8966 & 0.2307 & 0.2364 \\
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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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athensEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.07112933457162422
  Information Type Recall (positive class, multi-type, macro): 0.06670730837789661
  Information Type F1 (positive class, multi-type, macro): 0.05848782612736102
  Information Type Accuracy (overall, multi-type, macro): 0.9006342494714589
  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): 0.9911909795630726
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.09359122969950555
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.08777277418144291
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07695766595705397
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8720373873372649

baltimoreFlashFlood2020
  Information Type Precision (positive class, multi-type, macro): 0.03984375
  Information Type Recall (positive class, multi-type, macro): 0.021794871794871794
  Information Type F1 (positive class, multi-type, macro): 0.0281767955801105
  Information Type Accuracy (overall, multi-type, macro): 0.9516417910447756
  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): 0.997867803837953
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05242598684210526
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0286774628879892
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.03707473102646118
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.937044102794299

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.23004528359367815
  Information Type Recall (positive class, multi-type, macro): 0.14405102213478913
  Information Type F1 (positive class, multi-type, macro): 0.1664770791053832
  Information Type Accuracy (overall, multi-type, macro): 0.8683089770354906
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1111111111111111
  High Importance Information Type Recall (positive class, multi-type, macro): 0.037037037037037035
  High Importance Information Type F1 (positive class, multi-type, macro): 0.05555555555555555
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9923451635351427
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.26760344332501507
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.17784491216565818
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.201504928647434

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8291396549829692

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.07190131112126547
  Information Type Recall (positive class, multi-type, macro): 0.1077130214095139
  Information Type F1 (positive class, multi-type, macro): 0.06328314539784775
  Information Type Accuracy (overall, multi-type, macro): 0.9216000000000001
  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): 0.9947368421052633
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.09460698831745457
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.14172765974936039
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.08326729657611547
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8985041551246536

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.10823008167121281
  Information Type Recall (positive class, multi-type, macro): 0.16940080749173858
  Information Type F1 (positive class, multi-type, macro): 0.1067577283498007
  Information Type Accuracy (overall, multi-type, macro): 0.9279287305122496
  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): 0.9922048997772829
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14240800219896424
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.222895799331235
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14047069519710617
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9076309928496075

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.17462344687403777
  Information Type Recall (positive class, multi-type, macro): 0.13576691413274777
  Information Type F1 (positive class, multi-type, macro): 0.14105994918721979
  Information Type Accuracy (overall, multi-type, macro): 0.9355744680851065
  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): 0.9925531914893617
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.22976769325531288
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1786406764904576
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1856051962989734
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9175811870100784

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.09797996056407392
  Information Type Recall (positive class, multi-type, macro): 0.281315452071565

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  Information Type F1 (positive class, multi-type, macro): 0.09597345197343735
  Information Type Accuracy (overall, multi-type, macro): 0.8886993603411514
  High Importance Information Type Precision (positive class, multi-type, macro): 0.1434981684981685
  High Importance Information Type Recall (positive class, multi-type, macro): 0.2111111111111111
  High Importance Information Type F1 (positive class, multi-type, macro): 0.15899198167239403
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.959132906894101
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08360578963751773
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.30348524395381354
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.07607286364745104
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8664571877454832

indonesiaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.20499682592841267
  Information Type Recall (positive class, multi-type, macro): 0.11870040042199329
  Information Type F1 (positive class, multi-type, macro): 0.12116200581844928
  Information Type Accuracy (overall, multi-type, macro): 0.8925106382978725
  High Importance Information Type Precision (positive class, multi-type, macro): 0.3432059651817716
  High Importance Information Type Recall (positive class, multi-type, macro): 0.1602244933612858
  High Importance Information Type F1 (positive class, multi-type, macro): 0.21439034157230616
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8957446808510637
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.16135183458524668
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.10558752896747985
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09172147873828396
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8914893617021276

keralaFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.26239314431342137
  Information Type Recall (positive class, multi-type, macro): 0.17611567930749292
  Information Type F1 (positive class, multi-type, macro): 0.18082110524600364
  Information Type Accuracy (overall, multi-type, macro): 0.8525831202046034
  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): 0.9445865302642796
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.3452541372545018
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.23173115698354332
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.23792250690263636
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.823529411764706

myanmarFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.19822817686246544
  Information Type Recall (positive class, multi-type, macro): 0.24475717603164943
  Information Type F1 (positive class, multi-type, macro): 0.18123968900984977
  Information Type Accuracy (overall, multi-type, macro): 0.8987234042553192
  High Importance Information Type Precision (positive class, multi-type, macro): 0.03571428571428571
  High Importance Information Type Recall (positive class, multi-type, macro): 0.07142857142857142
  High Importance Information Type F1 (positive class, multi-type, macro): 0.047619047619047616
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  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9613475177304965
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.24954835301452225
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.299492524853674
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.22343568102799782
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8789473684210526

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.24746985483280223
  Information Type Recall (positive class, multi-type, macro): 0.15417852898986648
  Information Type F1 (positive class, multi-type, macro): 0.16415075971253235
  Information Type Accuracy (overall, multi-type, macro): 0.887069351230425
  High Importance Information Type Precision (positive class, multi-type, macro): 0.07037037037037037
  High Importance Information Type Recall (positive class, multi-type, macro): 0.02398989898989899
  High Importance Information Type F1 (positive class, multi-type, macro): 0.035781544256120526
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9422073079791201
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.3033960078209386
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.19529072793722466
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.20468840669876762
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8696573648887318

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.1428203282566454
  Information Type Recall (positive class, multi-type, macro): 0.0991050578534626
  Information Type F1 (positive class, multi-type, macro): 0.08459380067332015
  Information Type Accuracy (overall, multi-type, macro): 0.8874261603375527
  High Importance Information Type Precision (positive class, multi-type, macro): 0.06666666666666667
  High Importance Information Type Recall (positive class, multi-type, macro): 0.014285714285714285
  High Importance Information Type F1 (positive class, multi-type, macro): 0.023529411764705882
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9680028129395218
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.16686885296927026
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.12589011371696207
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.10387729190761939
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8619809016211415

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.048305418741838906
  Information Type Recall (positive class, multi-type, macro): 0.09659699974574115
  Information Type F1 (positive class, multi-type, macro): 0.020395061935553488
  Information Type Accuracy (overall, multi-type, macro): 0.8318454935622317
  High Importance Information Type Precision (positive class, multi-type, macro): 0.041666666666666664
  High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
  High Importance Information Type F1 (positive class, multi-type, macro): 0.025641025641025637
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9821173104434906
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05040186676557751
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1212533622385483
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.018738441818035967
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.784391235599729

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typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.0764001292237248
  Information Type Recall (positive class, multi-type, macro): 0.15889490205348727
  Information Type F1 (positive class, multi-type, macro): 0.058849809154691096
  Information Type Accuracy (overall, multi-type, macro): 0.8479317697228143
  High Importance Information Type Precision (positive class, multi-type, macro): 0.041666666666666664
  High Importance Information Type Recall (positive class, multi-type, macro): 0.031007751937984496
  High Importance Information Type F1 (positive class, multi-type, macro): 0.035555555555555556
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9758351101634682
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.08736859108384842
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.19928031787943556
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06620588923862863
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8075412411626081

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.3026479207658325
  Information Type Recall (positive class, multi-type, macro): 0.2206457101307225
  Information Type F1 (positive class, multi-type, macro): 0.23356349315393732
  Information Type Accuracy (overall, multi-type, macro): 0.8832380952380952
  High Importance Information Type Precision (positive class, multi-type, macro): 0.296078431372549
  High Importance Information Type Recall (positive class, multi-type, macro): 0.13329238329238327
  High Importance Information Type F1 (positive class, multi-type, macro): 0.16566113624937154
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9095238095238095
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.3047224963637115
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.2482309712375664
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.2550063427027476
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.874937343358396
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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: UCD_CS_R4 (UCD_CS_R4.2020A.task1.run)

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	0.00	0.00	0.00	31
avg / total	0.99	0.99	0.99	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12214
CallToAction-Volunteer	0.50	0.31	0.38	13
avg / total	1.00	1.00	1.00	12227

CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	12197

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CallToAction-Donations          0.10      0.30      0.15        30

          avg / total           1.00      0.99      0.99     12227


CallToAction-MovePeople
                        precision    recall  f1-score   support

        Other Classes        0.99      1.00      1.00     12109
CallToAction-MovePeople      0.84      0.31      0.46       118

          avg / total        0.99      0.99      0.99     12227


Report-FirstPartyObservation
                          precision    recall  f1-score   support

          Other Classes        1.00      0.97      0.98     12187
Report-FirstPartyObservation    0.01      0.07      0.01        40

            avg / total         0.99      0.97      0.98     12227


Report-ThirdPartyObservation
                          precision    recall  f1-score   support

          Other Classes        0.98      0.90      0.93     11890
Report-ThirdPartyObservation    0.06      0.23      0.09       337

            avg / total         0.95      0.88      0.91     12227


Report-Weather
            precision    recall  f1-score   support

 Other Classes    0.99      0.88      0.93     12080
Report-Weather    0.03      0.27      0.05       147

   avg / total    0.98      0.87      0.92     12227


Report-Location
            precision    recall  f1-score   support

 Other Classes    0.75      0.87      0.80      8786
Report-Location   0.42      0.25      0.31      3441
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      avg / total        0.66       0.69       0.67     12227
```

Report-EmergingThreats

```
                      precision    recall   f1-score   support

        Other Classes        0.95       0.95       0.95      11419
Report-EmergingThreats        0.27       0.27       0.27        808

          avg / total        0.90       0.90       0.90      12227
```

Report-NewSubEvent

```
                    precision    recall   f1-score   support

      Other Classes        0.97       0.98       0.98      11828
 Report-NewSubEvent        0.12       0.07       0.08        399

        avg / total        0.94       0.95       0.95      12227
```

Report-MultimediaShare

```
                      precision    recall   f1-score   support

        Other Classes        0.83       0.75       0.79       9860
Report-MultimediaShare        0.27       0.37       0.31       2367

          avg / total        0.72       0.68       0.70      12227
```

Report-ServiceAvailable

```
                       precision    recall   f1-score   support

         Other Classes        1.00       0.99       0.99      12185
Report-ServiceAvailable        0.06       0.17       0.09         42

           avg / total        0.99       0.99       0.99      12227
```

Report-Factoid

```
             precision    recall   f1-score   support

 Other Classes        0.93       0.84       0.88      10563
Report-Factoid        0.36       0.59       0.45       1664

   avg / total        0.85       0.80       0.82      12227
```

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	11844
Report-Official	0.18	0.20	0.19	383
avg / total	0.95	0.95	0.95	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.90	0.73	0.81	10583
Report-News	0.22	0.49	0.31	1644
avg / total	0.81	0.70	0.74	12227

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	12220
Report-CleanUp	0.03	0.29	0.05	7
avg / total	1.00	0.99	1.00	12227

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.91	0.88	0.89	10806
Report-Hashtags	0.25	0.30	0.27	1421
avg / total	0.83	0.81	0.82	12227

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.94	0.96	11999
Report-OriginalEvent	0.00	0.01	0.00	228
avg / total	0.96	0.92	0.94	12227

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.98	0.97	11732
Other-ContextualInformation	0.02	0.01	0.01	495
avg / total	0.92	0.94	0.93	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	0.98	0.99	12084
Other-Advice	0.12	0.22	0.15	143
avg / total	0.98	0.97	0.98	12227

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.94	0.97	12055
Other-Sentiment	0.09	0.42	0.15	172
avg / total	0.98	0.93	0.95	12227

Other-Discussion

	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12197
Other-Discussion	0.00	0.07	0.01	30
avg / total	1.00	0.95	0.97	12227

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.42	0.86	0.57	4339
Other-Irrelevant	0.82	0.35	0.49	7888
avg / total	0.68	0.53	0.52	12227