TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: UCD_CS_R3 (UCD_CS_R3.2020A.task1.run)

EVALUATON: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.40732860520094355
> Low Importance Alert Worth: -0.034952750907910383
> Accumulated Alert Worth: -0.22114067805442697

EVALUATON: nDCG and Priority
Overall performance

> nDCG: 0.47636023244524117

EVALUATON: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro):   0.11287521306599964
> Information Type Recall (positive class, multi-type, macro): 0.18652153029345278
> Information Type F1 (positive class, multi-type, macro):   0.12459617522011851
> Information Type Accuracy (overall, multi-type, macro):   0.9298274310951176
> High Importance Information Type Precision (positive class, multi-type, macro):   0.0805464095753721
> High Importance Information Type Recall (positive class, multi-type, macro): 0.11548527961571438
> High Importance Information Type F1 (positive class, multi-type, macro):   0.09434429707863771
> High Importance Information Type Accuracy (overall, multi-type, macro):   0.9627463809601701
> Low Importance Information Type Precision (positive class, multi-type, macro):   0.1405856160579661
> Low Importance Information Type Recall (positive class, multi-type, macro):   0.2474097451600857
> Low Importance Information Type F1 (positive class, multi-type, macro):   0.15052635648424492
> Low Importance Information Type Accuracy (overall, multi-type, macro):   0.9016111883536436

EVALUATON: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.2413949754274754
> Priority Label Prediction High Importance (F1, macro): 0.20770769124401847
> Priority Label Prediction Low Importance (F1, macro): 0.2702697904418671

LATEX

UCD_CS_R3 & 0.4764 & -0.4073 & -0.2211 & 0.0943 & 0.1246 & 0.9298 & 0.2077 & 0.2414 \\

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Run: UCD_CS_R3 (UCD_CS_R3.2020A.task1.run)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
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athensEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.0908493216185524
  Information Type Recall (positive class, multi-type, macro): 0.15334665334665334
  Information Type F1 (positive class, multi-type, macro): 0.0938037372463602
  Information Type Accuracy (overall, multi-type, macro): 0.9445438282647586
  High Importance Information Type Precision (positive class, multi-type, macro): 0.018518518518518517
  High Importance Information Type Recall (positive class, multi-type, macro): 0.14285714285714285
  High Importance Information Type F1 (positive class, multi-type, macro): 0.03278688524590164
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9630021141649047
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.15284715284715286
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.16233766233766236
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.1461038961038961
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9287224403503472

baltimoreFlashFlood2020
  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): 0.9849106117762835
  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): 0.9950248756218905
  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): 0.976241242765763

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.13873282106364812
  Information Type Recall (positive class, multi-type, macro): 0.1109172482552343
  Information Type F1 (positive class, multi-type, macro): 0.12021739681685345
  Information Type Accuracy (overall, multi-type, macro): 0.920025694555966
  High Importance Information Type Precision (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type Recall (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type F1 (positive class, multi-type, macro): 0.08263305322128851
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9902574808629089
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1862180962610608
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.13456060390257799
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.15243254847019477

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8598270205785863

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.06817605598093403
  Information Type Recall (positive class, multi-type, macro): 0.04111721611721612
  Information Type F1 (positive class, multi-type, macro): 0.05109935867778008
  Information Type Accuracy (overall, multi-type, macro): 0.9493117408906884
  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): 0.9901754385964913
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1266126753931632
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.07636054421768708
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.09489880897302015
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9142857142857143

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.06505346746075438
  Information Type Recall (positive class, multi-type, macro): 0.07535016103662648
  Information Type F1 (positive class, multi-type, macro): 0.06933588731341542
  Information Type Accuracy (overall, multi-type, macro): 0.9534007195477129
  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): 0.9855233853006681
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.12081358242711529
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.13993601335373487
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.12876664786777148
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9258670060451798

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.11273236369292992
  Information Type Recall (positive class, multi-type, macro): 0.05716990668446979
  Information Type F1 (positive class, multi-type, macro): 0.07561689330808721
  Information Type Accuracy (overall, multi-type, macro): 0.9607201309328969
  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): 0.9939716312056737
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2093601040011556
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.10617268384258675
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14043137328644767
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9322188449848025

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.04696964274111067
  Information Type Recall (positive class, multi-type, macro): 0.1835164835164835

Information Type F1 (positive class, multi-type, macro): 0.06580237938569423
Information Type Accuracy (overall, multi-type, macro): 0.9086435952107593
High Importance Information Type Precision (positive class, multi-type, macro): 0.050975177304964536
High Importance Information Type Recall (positive class, multi-type, macro): 0.1722222222222222
High Importance Information Type F1 (positive class, multi-type, macro): 0.07158495582140902
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9282160625444208
Low Importance Information Type Precision (positive class, multi-type, macro): 0.0435363274006645
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19319727891156463
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06084588529793868
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8918671946390496

indonesiaEarthquake2020
Information Type Precision (positive class, multi-type, macro): 0.21589737317121388
Information Type Recall (positive class, multi-type, macro): 0.11890031641170223
Information Type F1 (positive class, multi-type, macro): 0.14604709232831994
Information Type Accuracy (overall, multi-type, macro): 0.8965630114566285
High Importance Information Type Precision (positive class, multi-type, macro): 0.2690409497132186
High Importance Information Type Recall (positive class, multi-type, macro): 0.13826869322152338
High Importance Information Type F1 (positive class, multi-type, macro): 0.1747981522597891
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8858156028368795
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1703457361352098
Low Importance Information Type Recall (positive class, multi-type, macro): 0.10229885057471265
Low Importance Information Type F1 (positive class, multi-type, macro): 0.121403326672775
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.905775075987842

keralaFloods2020
Information Type Precision (positive class, multi-type, macro): 0.10700996575083031
Information Type Recall (positive class, multi-type, macro): 0.20033659837387038
Information Type F1 (positive class, multi-type, macro): 0.08547502171343038
Information Type Accuracy (overall, multi-type, macro): 0.8426126303364155
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): 0.9254049445865302
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19873279353725629
Low Importance Information Type Recall (positive class, multi-type, macro): 0.3720536826943307
Low Importance Information Type F1 (positive class, multi-type, macro): 0.15873932603922786
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.771647789550603

myanmarFloods2020
Information Type Precision (positive class, multi-type, macro): 0.10873626373626374
Information Type Recall (positive class, multi-type, macro): 0.11335274894596928
Information Type F1 (positive class, multi-type, macro): 0.07942282901319418
Information Type Accuracy (overall, multi-type, macro): 0.944189852700491
High Importance Information Type Precision (positive class, multi-type, macro): 0.020833333333333332
High Importance Information Type Recall (positive class, multi-type, macro): 0.09523809523809523
High Importance Information Type F1 (positive class, multi-type, macro): 0.034188034188034185

  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9574468085106383
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.18408163265306124
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.1288795949812899
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.11819551029190276
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9328267477203648

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.21273231273231272
  Information Type Recall (positive class, multi-type, macro): 0.15021737521737524
  Information Type F1 (positive class, multi-type, macro): 0.13792842373529984
  Information Type Accuracy (overall, multi-type, macro): 0.8838409912235416
  High Importance Information Type Precision (positive class, multi-type, macro): 0.13434343434343435
  High Importance Information Type Recall (positive class, multi-type, macro): 0.1994949494949495
  High Importance Information Type F1 (positive class, multi-type, macro): 0.12967914438502673
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9425801640566741
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.2799227799227799
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.10797945440802584
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.14499923460696248
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8334931287951423

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.09031201402433268
  Information Type Recall (positive class, multi-type, macro): 0.05757532789790854
  Information Type F1 (positive class, multi-type, macro): 0.06974232404096657
  Information Type Accuracy (overall, multi-type, macro): 0.9209672184355729
  High Importance Information Type Precision (positive class, multi-type, macro): 0.022988505747126436
  High Importance Information Type Recall (positive class, multi-type, macro): 0.009523809523809523
  High Importance Information Type F1 (positive class, multi-type, macro): 0.013468013468013467
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.950070323488045
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.14801787826193805
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.09876234364713628
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.11797744738921209
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8960216998191681

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.0060475053973732965
  Information Type Recall (positive class, multi-type, macro): 0.07094017094017094
  Information Type F1 (positive class, multi-type, macro): 0.010572797788975238
  Information Type Accuracy (overall, multi-type, macro): 0.918289864641796
  High Importance Information Type Precision (positive class, multi-type, macro): 0.0032051282051282055
  High Importance Information Type Recall (positive class, multi-type, macro): 0.08333333333333333
  High Importance Information Type F1 (positive class, multi-type, macro): 0.006172839506172839
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9717453505007153
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.008483828705011945
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.06031746031746032
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.014344190602805864
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8724708767627222

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.06803979669833328
  Information Type Recall (positive class, multi-type, macro): 0.14037245394344539
  Information Type F1 (positive class, multi-type, macro): 0.07471666348012661
  Information Type Accuracy (overall, multi-type, macro): 0.9380022962112515
  High Importance Information Type Precision (positive class, multi-type, macro): 0.06845238095238095
  High Importance Information Type Recall (positive class, multi-type, macro): 0.10658914728682171
  High Importance Information Type F1 (positive class, multi-type, macro): 0.06458333333333333
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9772565742714995
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.06768615305200672
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.16932957393483708
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.08340237503452086
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.90435577215961

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.2558354802357038
  Information Type Recall (positive class, multi-type, macro): 0.12504433956482489
  Information Type F1 (positive class, multi-type, macro): 0.15949065819802546
  Information Type Accuracy (overall, multi-type, macro): 0.8673992673992674
  High Importance Information Type Precision (positive class, multi-type, macro): 0.2638888888888889
  High Importance Information Type Recall (positive class, multi-type, macro): 0.1156156156156156
  High Importance Information Type F1 (positive class, multi-type, macro): 0.1478126209833527
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9047619047619048
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.24893255853297372
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.13312610294986135
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.16950040438203073
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.835374149659864

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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	12219
Request-GoodsServices	0.00	0.00	0.00	8
avg / total	1.00	1.00	1.00	12227

Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12219
Request-SearchAndRescue	0.00	0.00	0.00	8
avg / total	1.00	1.00	1.00	12227

Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12199
Request-InformationWanted	0.00	0.00	0.00	28
avg / total	1.00	0.99	0.99	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12217
CallToAction-Volunteer	0.12	0.60	0.20	10
avg / total	1.00	1.00	1.00	12227

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	12112

CallToAction-MovePeople	0.27	0.37	0.31	115
avg / total	0.99	0.98	0.99	12227

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	12190
Report-FirstPartyObservation	0.02	0.14	0.03	37
avg / total	0.99	0.97	0.98	12227

Report-Location

	precision	recall	f1-score	support
Other Classes	0.75	0.88	0.81	8789
Report-Location	0.44	0.24	0.31	3438
avg / total	0.66	0.70	0.67	12227

Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.94	0.91	0.93	11422
Report-EmergingThreats	0.15	0.21	0.17	805
avg / total	0.89	0.87	0.88	12227

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	11831
Report-NewSubEvent	0.02	0.02	0.02	396
avg / total	0.94	0.94	0.94	12227

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.83	0.76	0.79	9860
Report-MultimediaShare	0.27	0.36	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   1.00   12188
Report-ServiceAvailable   0.05   0.10   0.07   39

                   avg / total   0.99   0.99   0.99   12227

Other-Advice
                  precision   recall   f1-score   support

Other Classes   0.99   0.97   0.98   12087
 Other-Advice   0.14   0.39   0.21   140

   avg / total   0.98   0.97   0.97   12227

Other-Any
                  precision   recall   f1-score   support

Other Classes   1.00   1.00   1.00   12227

   avg / total   1.00   1.00   1.00   12227