```
TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: sc-rf-021 (sc-rf-021.2020A.task1.run)


----------------------------------------------------
EVALUATON: Alertng Performance
Overall performance
----------------------------------------------------
> High Importance Alert Worth:   -0.666784869976359
> Low Importance Alert Worth:    -0.02094475331252348
> Accumulated Alert Worth:       -0.3438648116444412


----------------------------------------------------
EVALUATON: nDCG and Priority
Overall performance
----------------------------------------------------
> nDCG: 0.3882017054167072


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EVALUATON: Information Type Categorization
Overall performance
----------------------------------------------------
> Information Type Precision (positive class, multi-type, macro):      0.14277245333565605
> Information Type Recall (positive class, multi-type, macro):  0.08437593908695977
> Information Type F1 (positive class, multi-type, macro):      0.08569513919512765
> Information Type Accuracy (overall, multi-type, macro):       0.9204481884354297
> High Importance Information Type Precision (positive class, multi-type, macro):       0.02735562310030395
> High Importance Information Type Recall (positive class, multi-type, macro):  0.006793112725316114
> High Importance Information Type F1 (positive class, multi-type, macro):      0.008795823402564974
> High Importance Information Type Accuracy (overall, multi-type, macro):       0.9778086747907636
> Low Importance Information Type Precision (positive class, multi-type, macro):         0.17921987340997775
> Low Importance Information Type Recall (positive class, multi-type, macro):    0.10887577899063672
> Low Importance Information Type F1 (positive class, multi-type, macro):        0.10997913365593694
> Low Importance Information Type Accuracy (overall, multi-type, macro):         0.9023343506390086


----------------------------------------------------
EVALUATON: Information Priority Level
Overall Performance
----------------------------------------------------
> Priority Label Prediction (F1, macro): 0.1790997535030569
> Priority Label Prediction High Importance (F1, macro): 0.07905175833775292
> Priority Label Prediction Low Importance (F1, macro): 0.21069385723946868


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LATEX
----------------------------------------------------
sc-rf-021 & 0.3882 & -0.6668 & -0.3439 & 0.0088 & 0.0857 & 0.9204 & 0.0791 & 0.1791 \\
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TREC-IS 2020-A Task 1 Notebook Evaluator v2.4
Run: sc-rf-021 (sc-rf-021.2020A.task1.run)

EVALUATON: Information Type Categorization (Multi-type)
Per Event Performance
----
athensEarthquake2020
  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): 0.9370824524312897
  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): 0.9954193093727977
  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): 0.9186602870813398

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): 0.9564179104477614
  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): 0.0
  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): 0.9433284704298059

brooklynBlockPartyShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.14017777777777776
  Information Type Recall (positive class, multi-type, macro): 0.012959395242729797
  Information Type F1 (positive class, multi-type, macro): 0.023405521295717036
  Information Type Accuracy (overall, multi-type, macro): 0.8489352818371606
  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): 0.9909533750869869
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.18444444444444444
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0170518358456971
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.030796738546996102

  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8040874629161631

daytonOhioShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.008
  Information Type Recall (positive class, multi-type, macro): 0.0008571428571428571
  Information Type F1 (positive class, multi-type, macro): 0.0015483870967741937
  Information Type Accuracy (overall, multi-type, macro): 0.9466947368421056
  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): 0.9954385964912281
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.0105263315789473684
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0011278195488721805
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.0020373514431239388
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9313019390581718

elPasoWalmartShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.11552380952380953
  Information Type Recall (positive class, multi-type, macro): 0.0465981308624868
  Information Type F1 (positive class, multi-type, macro): 0.051581353610339116
  Information Type Accuracy (overall, multi-type, macro): 0.9358574610244991
  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): 0.9966592427616927
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1520050125313283
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.061313330082219474
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06787020211886725
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9166568983706482

gilroygarlicShooting2020
  Information Type Precision (positive class, multi-type, macro): 0.08880952380952381
  Information Type Recall (positive class, multi-type, macro): 0.009032527774275347
  Information Type F1 (positive class, multi-type, macro): 0.014172996414362576
  Information Type Accuracy (overall, multi-type, macro): 0.9193191489361705
  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): 0.998936170212766
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1168546365914787
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.011884904966151773
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.018648679492582337
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8941769316909295

hurricaneBarry2020
  Information Type Precision (positive class, multi-type, macro): 0.019047619047619046
  Information Type Recall (positive class, multi-type, macro): 0.014499999999999999

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  Information Type F1 (positive class, multi-type, macro): 0.014867149758454106
  Information Type Accuracy (overall, multi-type, macro): 0.9476332622601279
  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): 0.9918265813788202
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.02506265664160401
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.019078947368421053
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.019562039155860664
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.933677477275278

indonesiaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.04458090928679164
  Information Type Recall (positive class, multi-type, macro): 0.019156268568033274
  Information Type F1 (positive class, multi-type, macro): 0.020109582542694494
  Information Type Accuracy (overall, multi-type, macro): 0.8940425531914893
  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): 0.875886524822695
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05865909116683111
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.025205616536885887
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.02645997702986118
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8997760358342667

keralaFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.2088977688977689
  Information Type Recall (positive class, multi-type, macro): 0.03302794484740499
  Information Type F1 (positive class, multi-type, macro): 0.046656840603052224
  Information Type Accuracy (overall, multi-type, macro): 0.8569820971867006
  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): 0.9931798806479114
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.27486548539180117
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.04345782216763814
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.061390579740858195
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8139722708305291

myanmarFloods2020
  Information Type Precision (positive class, multi-type, macro): 0.08613493362429532
  Information Type Recall (positive class, multi-type, macro): 0.039614315876047496
  Information Type F1 (positive class, multi-type, macro): 0.051541159647234096
  Information Type Accuracy (overall, multi-type, macro): 0.9159148936170212
  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
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  High Importance Information Type Accuracy (overall, multi-type, macro): 0.9567375886524823
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.11333543897933594
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0521240998369046
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.06781731532530802
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.903023516237402

papuaNewguineaEarthquake2020
  Information Type Precision (positive class, multi-type, macro): 0.12375696767001115
  Information Type Recall (positive class, multi-type, macro): 0.0073020890584271705
  Information Type F1 (positive class, multi-type, macro): 0.013351121611376209
  Information Type Accuracy (overall, multi-type, macro): 0.8657718120805369
  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): 0.9422073079791201
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.1628381153552778
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.009608011918983118
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.01756726527812659
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8416342870599317

siberianWildfires2020
  Information Type Precision (positive class, multi-type, macro): 0.019047619047619046
  Information Type Recall (positive class, multi-type, macro): 0.0009116883116883118
  Information Type F1 (positive class, multi-type, macro): 0.0017260831637103808
  Information Type Accuracy (overall, multi-type, macro): 0.9188185654008438
  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): 0.9718706047819973
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.02506265664160401
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.0011995898838004103
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.00271162057513659
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9020652898067955

typhoonKrosa2020
  Information Type Precision (positive class, multi-type, macro): 0.0053829235280848185
  Information Type Recall (positive class, multi-type, macro): 0.056771929824561404
  Information Type F1 (positive class, multi-type, macro): 0.008524455936220641
  Information Type Accuracy (overall, multi-type, macro): 0.9219742489270386
  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): 0.9910586552217454
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.007082794115901077
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.07469990766389659
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.011216389389764003
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9001581206234469

typhoonLekima2020
  Information Type Precision (positive class, multi-type, macro): 0.04504939127860637
  Information Type Recall (positive class, multi-type, macro): 0.04101368285578811
  Information Type F1 (positive class, multi-type, macro): 0.03743222860869919
  Information Type Accuracy (overall, multi-type, macro): 0.8928784648187633
  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): 0.9808102345415778
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.05927551484027154
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.05396537217866857
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.049252932379867366
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8651105375378745

whaleyBridgeCollapse2020
  Information Type Precision (positive class, multi-type, macro): 0.19235353535353533
  Information Type Recall (positive class, multi-type, macro): 0.02190464042493857
  Information Type F1 (positive class, multi-type, macro): 0.03516090975079777
  Information Type Accuracy (overall, multi-type, macro): 0.8622857142857141
  High Importance Information Type Precision (positive class, multi-type, macro): 0.25
  High Importance Information Type Recall (positive class, multi-type, macro): 0.022897897897897895
  High Importance Information Type F1 (positive class, multi-type, macro): 0.040903540903540904
  High Importance Information Type Accuracy (overall, multi-type, macro): 0.8928571428571429
  Low Importance Information Type Precision (positive class, multi-type, macro): 0.17414938862307283
  Low Importance Information Type Recall (positive class, multi-type, macro): 0.021590980170319837
  Low Importance Information Type F1 (positive class, multi-type, macro): 0.03334744728151047
  Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8526315789473685

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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	0.00	0.00	0.00	31
avg / total	0.99	1.00	1.00	12227

CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12214
CallToAction-Volunteer	1.00	0.46	0.63	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	0.21	0.13	0.16	30
avg / total	1.00	1.00	1.00	12227

CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	12109
CallToAction-MovePeople	0.14	0.02	0.03	118
avg / total	0.98	0.99	0.99	12227

Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12187
Report-FirstPartyObservation	0.01	0.10	0.01	40
avg / total	0.99	0.95	0.97	12227

Report-ThirdPartyObservation

	precision	recall	f1-score	support
Other Classes	0.97	0.96	0.97	11890
Report-ThirdPartyObservation	0.03	0.04	0.03	337
avg / total	0.95	0.94	0.94	12227

Report-Weather

	precision	recall	f1-score	support
Other Classes	0.99	0.97	0.98	12080
Report-Weather	0.01	0.01	0.01	147
avg / total	0.98	0.96	0.97	12227

Report-Location

	precision	recall	f1-score	support
Other Classes	0.72	0.99	0.83	8786
Report-Location	0.36	0.02	0.04	3441

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    avg / total        0.62        0.71        0.61      12227
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Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	11419
Report-EmergingThreats	0.00	0.00	0.00	808
avg / total	0.87	0.92	0.90	12227

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	11828
Report-NewSubEvent	0.00	0.00	0.00	399
avg / total	0.94	0.96	0.95	12227

Report-MultimediaShare

	precision	recall	f1-score	support
Other Classes	0.81	0.95	0.87	9860
Report-MultimediaShare	0.19	0.05	0.08	2367
avg / total	0.69	0.77	0.72	12227

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12185
Report-ServiceAvailable	0.02	0.02	0.02	42
avg / total	0.99	0.99	0.99	12227

Report-Factoid

	precision	recall	f1-score	support
Other Classes	0.87	0.98	0.92	10563
Report-Factoid	0.34	0.07	0.11	1664
avg / total	0.80	0.85	0.81	12227

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	11844
Report-Official	0.35	0.07	0.11	383
avg / total	0.95	0.97	0.96	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.87	0.94	0.90	10583
Report-News	0.14	0.07	0.09	1644
avg / total	0.77	0.82	0.79	12227

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12223
Report-CleanUp	0.00	0.00	0.00	4
avg / total	1.00	1.00	1.00	12227

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.88	0.96	0.92	10806
Report-Hashtags	0.08	0.03	0.04	1421
avg / total	0.79	0.85	0.82	12227

Report-OriginalEvent

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

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	11732
Other-ContextualInformation	0.04	0.00	0.01	495
avg / total	0.92	0.96	0.94	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	12084
Other-Advice	0.00	0.00	0.00	143
avg / total	0.98	0.98	0.98	12227

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.87	0.92	12055
Other-Sentiment	0.02	0.20	0.04	172
avg / total	0.97	0.86	0.91	12227

Other-Discussion

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	12197
Other-Discussion	0.00	0.00	0.00	30
avg / total	1.00	0.99	0.99	12227

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.32	0.16	0.21	4339
Other-Irrelevant	0.64	0.82	0.72	7888
avg / total	0.53	0.58	0.54	12227