

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: sc-rf-024 (sc-rf-024.2020A.task1.run)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.7005910165484635
> Low Importance Alert Worth: -0.01875494234064705
> Accumulated Alert Worth: -0.35967297944455523

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.3761960065537642

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.11679889877564296
> Information Type Recall (positive class, multi-type, macro): 0.058191552881987754
> Information Type F1 (positive class, multi-type, macro): 0.06707698499431147
> Information Type Accuracy (overall, multi-type, macro): 0.9467383029990374
> High Importance Information Type Precision (positive class, multi-type, macro): 0.003875968992248062
> High Importance Information Type Recall (positive class, multi-type, macro): 0.004273504273504273
> High Importance Information Type F1 (positive class, multi-type, macro): 0.0040650406504065045
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9785447506883673
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.2135899814471243
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.10440702311783075
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12108722300337287
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9194756335510404

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.10898583607316058
> Priority Label Prediction High Importance (F1, macro): 0.06940746602153154
> Priority Label Prediction Low Importance (F1, macro): 0.1429101532602712

LATEX

sc-rf-024 & 0.3762 & -0.7006 & -0.3597 & 0.0041 & 0.0671 & 0.9467 & 0.0694 & 0.1090 \\

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4

Run: sc-rf-024 (sc-rf-024.2020A.task1.run)

EVALUATION: 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): 0.9835745649699139
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): 0.973421926910299

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): 0.998523864195506
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): 0.9989339019189765
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): 0.998172403289674

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09773755656108597
Information Type Recall (positive class, multi-type, macro): 0.004736920460338441
Information Type F1 (positive class, multi-type, macro): 0.008980985569614332
Information Type Accuracy (overall, multi-type, macro): 0.9047695519511804
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): 0.1815126050420168
Low Importance Information Type Recall (positive class, multi-type, macro): 0.008797137997771392
Low Importance Information Type F1 (positive class, multi-type, macro): 0.016678973200712332

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8308977035490605

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.010256410256410256
Information Type Recall (positive class, multi-type, macro): 0.001098901098901099
Information Type F1 (positive class, multi-type, macro): 0.0019851116625310174
Information Type Accuracy (overall, multi-type, macro): 0.9541700404858301
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): 0.9985964912280701
Low Importance Information Type Precision (positive class, multi-type, macro): 0.019047619047619046
Low Importance Information Type Recall (positive class, multi-type, macro): 0.002040816326530612
Low Importance Information Type F1 (positive class, multi-type, macro): 0.003686635944700461
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9160902255639097

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.020979020979020976
Information Type Recall (positive class, multi-type, macro): 0.00507185122569738
Information Type F1 (positive class, multi-type, macro): 0.008168822328114363
Information Type Accuracy (overall, multi-type, macro): 0.966249785848895
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): 0.9981440237564959
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03896103896103896
Low Importance Information Type Recall (positive class, multi-type, macro): 0.009419152276295134
Low Importance Information Type F1 (positive class, multi-type, macro): 0.015170670037926675
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.93891186764238

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.08333333333333333
Information Type Recall (positive class, multi-type, macro): 0.002644065750861867
Information Type F1 (positive class, multi-type, macro): 0.005031644842071382
Information Type Accuracy (overall, multi-type, macro): 0.9451718494271687
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): 0.9978723404255319
Low Importance Information Type Precision (positive class, multi-type, macro): 0.15476190476190474
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0049104078230291824
Low Importance Information Type F1 (positive class, multi-type, macro): 0.009344483278132568
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.023931623931623933
Information Type Recall (positive class, multi-type, macro): 0.010256410256410256

Information Type F1 (positive class, multi-type, macro): 0.014354813543454517
Information Type Accuracy (overall, multi-type, macro): 0.9873708381171067
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): 0.992181947405828
Low Importance Information Type Precision (positive class, multi-type, macro): 0.044444444444444446
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019047619047619046
Low Importance Information Type F1 (positive class, multi-type, macro): 0.026658939437844104
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9832470301553456

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.021978021978021976
Information Type Recall (positive class, multi-type, macro): 0.004273504273504273
Information Type F1 (positive class, multi-type, macro): 0.007155635062611807
Information Type Accuracy (overall, multi-type, macro): 0.8998363338788872
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): 0.8776595744680851
Low Importance Information Type Precision (positive class, multi-type, macro): 0.04081632653061224
Low Importance Information Type Recall (positive class, multi-type, macro): 0.007936507936507936
Low Importance Information Type F1 (positive class, multi-type, macro): 0.013289036544850499
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9188449848024316

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.13919413919413917
Information Type Recall (positive class, multi-type, macro): 0.04739566539725144
Information Type F1 (positive class, multi-type, macro): 0.060120913105987724
Information Type Accuracy (overall, multi-type, macro): 0.8819594727523116
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): 0.9936061381074168
Low Importance Information Type Precision (positive class, multi-type, macro): 0.25850340136054417
Low Importance Information Type Recall (positive class, multi-type, macro): 0.08802052145203838
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11165312433969148
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7862623310193643

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.021978021978021976
Information Type Recall (positive class, multi-type, macro): 0.006993006993006993
Information Type F1 (positive class, multi-type, macro): 0.010610079575596816
Information Type Accuracy (overall, multi-type, macro): 0.9481178396072014
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): 0.9627659574468086
Low Importance Information Type Precision (positive class, multi-type, macro): 0.04081632653061224
Low Importance Information Type Recall (positive class, multi-type, macro): 0.012987012987012988
Low Importance Information Type F1 (positive class, multi-type, macro): 0.019704433497536946
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9355623100303951

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.019230769230769232
Information Type Recall (positive class, multi-type, macro): 0.000407000407000407
Information Type F1 (positive class, multi-type, macro): 0.0007971303308090872
Information Type Accuracy (overall, multi-type, macro): 0.8638788504560317
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): 0.9429530201342282
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03571428571428571
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0007558578987150415
Low Importance Information Type F1 (positive class, multi-type, macro): 0.001480384900074019
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7961009907318631

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.038461538461538464
Information Type Recall (positive class, multi-type, macro): 0.0008791208791208791
Information Type F1 (positive class, multi-type, macro): 0.0017189514396218305
Information Type Accuracy (overall, multi-type, macro): 0.9368711457319052
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): 0.9722222222222223
Low Importance Information Type Precision (positive class, multi-type, macro): 0.07142857142857142
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0016326530612244899
Low Importance Information Type F1 (positive class, multi-type, macro): 0.003192338387869114
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9065702230259193

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.003213410190154376
Information Type Recall (positive class, multi-type, macro): 0.08205128205128205
Information Type F1 (positive class, multi-type, macro): 0.005726157900070943
Information Type Accuracy (overall, multi-type, macro): 0.9699570815450642
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): 0.9907010014306152
Low Importance Information Type Precision (positive class, multi-type, macro): 0.00596776178171527
Low Importance Information Type Recall (positive class, multi-type, macro): 0.15238095238095237
Low Importance Information Type F1 (positive class, multi-type, macro): 0.010634293242988894
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9521765787860209

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.06368899917287013
Information Type Recall (positive class, multi-type, macro): 0.046390013495276654
Information Type F1 (positive class, multi-type, macro): 0.04203599623446952
Information Type Accuracy (overall, multi-type, macro): 0.9503034279153683
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): 0.9790334044065387
Low Importance Information Type Precision (positive class, multi-type, macro): 0.11827956989247311
Low Importance Information Type Recall (positive class, multi-type, macro): 0.08615288220551379
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07806685014972911
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9256777337800791

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.18391608391608388
Information Type Recall (positive class, multi-type, macro): 0.01698005587497849
Information Type F1 (positive class, multi-type, macro): 0.027443886633794077
Information Type Accuracy (overall, multi-type, macro): 0.8542124542124542
High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type Recall (positive class, multi-type, macro): 0.01388888888888888
High Importance Information Type F1 (positive class, multi-type, macro): 0.025641025641025644
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8873015873015874
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19870129870129868
Low Importance Information Type Recall (positive class, multi-type, macro): 0.01962962757734101
Low Importance Information Type F1 (positive class, multi-type, macro): 0.028989196056167017
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8258503401360544

sc-rf-024**Task 2**

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4

Run: sc-rf-024 (sc-rf-024.2020A.task1.run)

 EVALUATION: 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	1.00	1.00	12227

CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	12217
CallToAction-Volunteer	1.00	0.60	0.75	10
avg / total	1.00	1.00	1.00	12227

CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	12112

sc-rf-024**Task 2**

CallToAction-MovePeople	0.00	0.00	0.00	115
avg / total	0.98	0.99	0.99	12227

Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12190
Report-FirstPartyObservation	0.01	0.08	0.01	37
avg / total	0.99	0.96	0.98	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.72	0.99	0.83	8789
Report-Location	0.33	0.02	0.03	3438
avg / total	0.61	0.71	0.61	12227

Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	11422
Report-EmergingThreats	0.00	0.00	0.00	805
avg / total	0.87	0.93	0.90	12227

Report-NewSubEvent				
	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	11831
Report-NewSubEvent	0.00	0.00	0.00	396
avg / total	0.94	0.97	0.95	12227

Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.80	0.95	0.87	9860
Report-MultimediaShare	0.16	0.03	0.06	2367

sc-rf-024**Task 2**

avg / total	0.68	0.78	0.72	12227
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Report-ServiceAvailable

precision	recall	f1-score	support
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Other Classes	1.00	1.00	1.00	12188
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Report-ServiceAvailable	0.02	0.03	0.02	39
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avg / total	0.99	0.99	0.99	12227
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Other-Advice

precision	recall	f1-score	support
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Other Classes	0.99	1.00	0.99	12087
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Other-Advice	0.00	0.00	0.00	140
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avg / total	0.98	0.99	0.98	12227
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Other-Any

precision	recall	f1-score	support
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Other Classes	1.00	1.00	1.00	12227
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avg / total	1.00	1.00	1.00	12227
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