

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: sc-rf-023 (sc-rf-023.2020A.task1.run)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.6760047281323873
> Low Importance Alert Worth: -0.020065022824838238
> Accumulated Alert Worth: -0.3480348754786128

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.3814094698064163

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.13094556198834723
> Information Type Recall (positive class, multi-type, macro): 0.05495257033354383
> Information Type F1 (positive class, multi-type, macro): 0.07081011148230923
> Information Type Accuracy (overall, multi-type, macro): 0.9461783820170997
> High Importance Information Type Precision (positive class, multi-type, macro): 0.02615972222222223
> High Importance Information Type Recall (positive class, multi-type, macro): 0.007379094335616075
> High Importance Information Type F1 (positive class, multi-type, macro): 0.008722874021965784
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9779858782475941
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.22076199607359723
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.09572983547462476
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12402774359117504
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9189148138195329

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.1178384406291606
> Priority Label Prediction High Importance (F1, macro): 0.09253950212485984
> Priority Label Prediction Low Importance (F1, macro): 0.13952324506141842

LATEX

sc-rf-023 & 0.3814 & -0.6760 & -0.3480 & 0.0087 & 0.0708 & 0.9462 & 0.0925 & 0.1178 \\

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

Run: sc-rf-023 (sc-rf-023.2020A.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): 0.9793462351601886
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): 0.9940098661028894
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): 0.9667774086378739

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): 0.9968837133016238
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): 0.9960402071276272

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.1013986013986014
Information Type Recall (positive class, multi-type, macro): 0.006366646666335834
Information Type F1 (positive class, multi-type, macro): 0.011854502087060228
Information Type Accuracy (overall, multi-type, macro): 0.9054119158503292
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): 0.18831168831168835
Low Importance Information Type Recall (positive class, multi-type, macro): 0.011823772380337978
Low Importance Information Type F1 (positive class, multi-type, macro): 0.022015503875968994

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8320906650760512

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.01183431952662722

Information Type Recall (positive class, multi-type, macro): 0.001098901098901099

Information Type F1 (positive class, multi-type, macro): 0.002011060834590246

Information Type Accuracy (overall, multi-type, macro): 0.9548178137651823

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): 0.9989473684210527

Low Importance Information Type Precision (positive class, multi-type, macro): 0.02197802197802198

Low Importance Information Type Recall (positive class, multi-type, macro): 0.002040816326530612

Low Importance Information Type F1 (positive class, multi-type, macro): 0.0037348272642390287

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9169924812030075

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09038461538461538

Information Type Recall (positive class, multi-type, macro): 0.008966690563574693

Information Type F1 (positive class, multi-type, macro): 0.015952894457567354

Information Type Accuracy (overall, multi-type, macro): 0.9677916738050368

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): 0.16785714285714287

Low Importance Information Type Recall (positive class, multi-type, macro): 0.016652425332353

Low Importance Information Type F1 (positive class, multi-type, macro): 0.02962680399262509

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9430480432707604

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09615384615384616

Information Type Recall (positive class, multi-type, macro): 0.005721894071408634

Information Type F1 (positive class, multi-type, macro): 0.010407147455524677

Information Type Accuracy (overall, multi-type, macro): 0.9461538461538463

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): 0.17857142857142858

Low Importance Information Type Recall (positive class, multi-type, macro): 0.010626374704044607

Low Importance Information Type F1 (positive class, multi-type, macro): 0.019327559560260114

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9009118541033434

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.016906170752324597

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

Information Type F1 (positive class, multi-type, macro): 0.012759170653907498
Information Type Accuracy (overall, multi-type, macro): 0.9855666721338363
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): 0.03139717425431711
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019047619047619046
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02369560264297107
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9802010356381359

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.01775147928994083
Information Type Recall (positive class, multi-type, macro): 0.01282051282051282
Information Type F1 (positive class, multi-type, macro): 0.01488833746898263
Information Type Accuracy (overall, multi-type, macro): 0.8945990180032732
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): 0.876241134751773
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03296703296703297
Low Importance Information Type Recall (positive class, multi-type, macro): 0.023809523809523808
Low Importance Information Type F1 (positive class, multi-type, macro): 0.027649769585253454
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9103343465045592

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.16643356643356644
Information Type Recall (positive class, multi-type, macro): 0.04943050605223484
Information Type F1 (positive class, multi-type, macro): 0.06398501068515415
Information Type Accuracy (overall, multi-type, macro): 0.8825496753885502
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): 0.9923273657289001
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3090909090909091
Low Importance Information Type Recall (positive class, multi-type, macro): 0.09179951123986471
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11882930555814343
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7884545122396786

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.029914529914529916
Information Type Recall (positive class, multi-type, macro): 0.016317016317016316
Information Type F1 (positive class, multi-type, macro): 0.021116138763197588
Information Type Accuracy (overall, multi-type, macro): 0.9425531914893617
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): 0.9556737588652483
Low Importance Information Type Precision (positive class, multi-type, macro): 0.055555555555555556
Low Importance Information Type Recall (positive class, multi-type, macro): 0.030303030303030304
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03921568627450981
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.931306990881459

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.10590858416945373
Information Type Recall (positive class, multi-type, macro): 0.0027925777925777925
Information Type F1 (positive class, multi-type, macro): 0.005112152387836855
Information Type Accuracy (overall, multi-type, macro): 0.8614696265702979
High Importance Information Type Precision (positive class, multi-type, macro): 0.007246376811594203
High Importance Information Type Recall (positive class, multi-type, macro): 0.0012626262626262627
High Importance Information Type F1 (positive class, multi-type, macro): 0.002150537634408602
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9422073079791201
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19047619047619047
Low Importance Information Type Recall (positive class, multi-type, macro): 0.004103964818250532
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0076506793193467865
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7922658996484501

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.015384615384615385
Information Type Recall (positive class, multi-type, macro): 0.0008791208791208791
Information Type F1 (positive class, multi-type, macro): 0.0016632016632016633
Information Type Accuracy (overall, multi-type, macro): 0.9344368711457319
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): 0.9704641350210971
Low Importance Information Type Precision (positive class, multi-type, macro): 0.028571428571428574
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0016326530612244899
Low Importance Information Type F1 (positive class, multi-type, macro): 0.003088803088803089
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9035563592525618

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.005016722408026756
Information Type Recall (positive class, multi-type, macro): 0.015384615384615385
Information Type F1 (positive class, multi-type, macro): 0.007566204287515763
Information Type Accuracy (overall, multi-type, macro): 0.9744139980191482
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): 0.009316770186335404
Low Importance Information Type Recall (positive class, multi-type, macro): 0.028571428571428574
Low Importance Information Type F1 (positive class, multi-type, macro): 0.01405152224824356
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9601471489883507

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.0565059044255601
Information Type Recall (positive class, multi-type, macro): 0.040317139001349526
Information Type F1 (positive class, multi-type, macro): 0.03905325443786982
Information Type Accuracy (overall, multi-type, macro): 0.9519435788092504
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): 0.10493953679032589
Low Importance Information Type Recall (positive class, multi-type, macro): 0.07487468671679198
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07252747252747252
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9272007310386841

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.20192307692307693
Information Type Recall (positive class, multi-type, macro): 0.0144809014616237
Information Type F1 (positive class, multi-type, macro): 0.026325496365982196
Information Type Accuracy (overall, multi-type, macro): 0.856043956043956
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): 0.16071428571428573
Low Importance Information Type Recall (positive class, multi-type, macro): 0.007266333087674386
Low Importance Information Type F1 (positive class, multi-type, macro): 0.013830029619503303
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8244897959183674

sc-rf-023**Task 2**

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

Run: sc-rf-023 (sc-rf-023.2020A.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-023**Task 2**

CallToAction-MovePeople	0.13	0.02	0.03	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	0.00	0.00	0.00	37
avg / total	0.99	0.96	0.97	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.72	0.98	0.83	8789
Report-Location	0.35	0.02	0.04	3438
avg / total	0.62	0.71	0.61	12227

Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	11422
Report-EmergingThreats	0.01	0.00	0.00	805
avg / total	0.87	0.92	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	0.96	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

sc-rf-023**Task 2**

avg / total	0.69	0.78	0.72	12227
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Report-ServiceAvailable

precision	recall	f1-score	support
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Other Classes	1.00	0.99	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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