

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

Run: sc-rf-022 (sc-rf-022.2020A.task1.run)

EVALUATOR: Alertng Performance

Overall performance

> High Importance Alert Worth: -0.6806146572104019
> Low Importance Alert Worth: -0.020262659469578708
> Accumulated Alert Worth: -0.3504386583399903

EVALUATOR: nDCG and Priority

Overall performance

> nDCG: 0.3818252453453675

EVALUATOR: Information Type Categorization

Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.11863912111662062
> Information Type Recall (positive class, multi-type, macro): 0.059065126875085645
> Information Type F1 (positive class, multi-type, macro): 0.06801661200951965
> Information Type Accuracy (overall, multi-type, macro): 0.9460714308183025
> High Importance Information Type Precision (positive class, multi-type, macro): 0.0062909799751905025
> High Importance Information Type Recall (positive class, multi-type, macro): 0.004687582948452514
> High Importance Information Type F1 (positive class, multi-type, macro): 0.00420968534906588
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.978490226547804
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.21493752780927503
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.10567445024077117
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12270826343276574
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.918283891621587

EVALUATOR: Information Priority Level

Overall Performance

> Priority Label Prediction (F1, macro): 0.1250709914767912
> Priority Label Prediction High Importance (F1, macro): 0.07884297866308008
> Priority Label Prediction Low Importance (F1, macro): 0.16469500245997212

LATEX

sc-rf-022 & 0.3818 & -0.6806 & -0.3504 & 0.0042 & 0.0680 & 0.9461 & 0.0788 & 0.1251 \\

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

Run: sc-rf-022 (sc-rf-022.2020A.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): 0.9834119369003091
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): 0.9731199033524616

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): 0.10650887573964497
Information Type Recall (positive class, multi-type, macro): 0.007876822022619924
Information Type F1 (positive class, multi-type, macro): 0.014489428472543583
Information Type Accuracy (overall, multi-type, macro): 0.906054279749478
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): 0.1978021978021978
Low Importance Information Type Recall (positive class, multi-type, macro): 0.014628383756294144
Low Importance Information Type F1 (positive class, multi-type, macro): 0.026908938591866653

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.833283626603042

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.009615384615384616
Information Type Recall (positive class, multi-type, macro): 0.001098901098901099
Information Type F1 (positive class, multi-type, macro): 0.0019723865877712033
Information Type Accuracy (overall, multi-type, macro): 0.954008097165992
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): 0.017857142857142856
Low Importance Information Type Recall (positive class, multi-type, macro): 0.002040816326530612
Low Importance Information Type F1 (positive class, multi-type, macro): 0.003663003663003663
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9157894736842105

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.01846153846153846
Information Type Recall (positive class, multi-type, macro): 0.00507185122569738
Information Type F1 (positive class, multi-type, macro): 0.007957559681697614
Information Type Accuracy (overall, multi-type, macro): 0.9653931814288162
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): 0.9977728285077951
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03428571428571429
Low Importance Information Type Recall (positive class, multi-type, macro): 0.009419152276295134
Low Importance Information Type F1 (positive class, multi-type, macro): 0.01477832512315271
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9376391982182628

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.08461538461538462
Information Type Recall (positive class, multi-type, macro): 0.001523826766545213
Information Type F1 (positive class, multi-type, macro): 0.002890722544921557
Information Type Accuracy (overall, multi-type, macro): 0.9448445171849429
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): 0.15714285714285717
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0028299639950125385
Low Importance Information Type F1 (positive class, multi-type, macro): 0.005368484726282892
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8993920972644377

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.026373626373626374
Information Type Recall (positive class, multi-type, macro): 0.010256410256410256

Information Type F1 (positive class, multi-type, macro): 0.014747779453661809
Information Type Accuracy (overall, multi-type, macro): 0.9872068230277186
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): 0.04897959183673469
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019047619047619046
Low Importance Information Type F1 (positive class, multi-type, macro): 0.027388733271086214
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9829424307036246

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.02403846153846154
Information Type Recall (positive class, multi-type, macro): 0.010683760683760684
Information Type F1 (positive class, multi-type, macro): 0.014792899408284023
Information Type Accuracy (overall, multi-type, macro): 0.897872340425532
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): 0.044642857142857144
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019841269841269844
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02747252747252747
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9151975683890576

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.16472416472416473
Information Type Recall (positive class, multi-type, macro): 0.049219178917830786
Information Type F1 (positive class, multi-type, macro): 0.06358137710063427
Information Type Accuracy (overall, multi-type, macro): 0.8821562069643911
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): 0.9923273657289003
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3059163059163059
Low Importance Information Type Recall (positive class, multi-type, macro): 0.09140704656168575
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11807970032974936
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7877237851662403

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.02153846153846154
Information Type Recall (positive class, multi-type, macro): 0.008158508158508158
Information Type F1 (positive class, multi-type, macro): 0.01183431952662722
Information Type Accuracy (overall, multi-type, macro): 0.9479541734860883
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): 0.04
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0151515151515152
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02197802197802198
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9352583586626141

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.022893772893772892
Information Type Recall (positive class, multi-type, macro): 0.0009897509897509897
Information Type F1 (positive class, multi-type, macro): 0.0018026607481042103
Information Type Accuracy (overall, multi-type, macro): 0.8640509378764414
High Importance Information Type Precision (positive class, multi-type, macro): 0.007936507936507936
High Importance Information Type Recall (positive class, multi-type, macro): 0.0012626262626262627
High Importance Information Type F1 (positive class, multi-type, macro): 0.002178649237472767
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9433258762117823
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): 0.019230769230769232
Information Type Recall (positive class, multi-type, macro): 0.0008791208791208791
Information Type F1 (positive class, multi-type, macro): 0.0016813787305590582
Information Type Accuracy (overall, multi-type, macro): 0.9345991561181434
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): 0.9704641350210972
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03571428571428571
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0016326530612244899
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0031225604996096795
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9038577456298975

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.0026533086301150526
Information Type Recall (positive class, multi-type, macro): 0.08205128205128205
Information Type F1 (positive class, multi-type, macro): 0.0047008547008547015
Information Type Accuracy (overall, multi-type, macro): 0.9666556619346319
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): 0.9903433476394848
Low Importance Information Type Precision (positive class, multi-type, macro): 0.004927573170213669
Low Importance Information Type Recall (positive class, multi-type, macro): 0.15238095238095237
Low Importance Information Type F1 (positive class, multi-type, macro): 0.00873015873015873
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9463519313304721

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.0710669188068078
Information Type Recall (positive class, multi-type, macro): 0.046390013495276654
Information Type F1 (positive class, multi-type, macro): 0.04231469805240297
Information Type Accuracy (overall, multi-type, macro): 0.9506314580941446
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): 0.982231698649609
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13198142064121446
Low Importance Information Type Recall (positive class, multi-type, macro): 0.08615288220551379
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07858443924017695
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9235455376180324

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.2192038730500269
Information Type Recall (positive class, multi-type, macro): 0.016642794710945673
Information Type F1 (positive class, multi-type, macro): 0.026336514759719463
Information Type Accuracy (overall, multi-type, macro): 0.8512820512820513
High Importance Information Type Precision (positive class, multi-type, macro): 0.25
High Importance Information Type Recall (positive class, multi-type, macro): 0.015782828282828284
High Importance Information Type F1 (positive class, multi-type, macro): 0.029344729344729346
High Importance Information Type Accuracy (overall, multi-type, macro): 0.884920634920635
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1928071928071928
Low Importance Information Type Recall (positive class, multi-type, macro): 0.017379908792189154
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02375804511542528
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8224489795918367

sc-rf-022**Task 2**

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

Run: sc-rf-022 (sc-rf-022.2020A.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-022**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	0.95	0.97	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	0.02	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	0.81	0.95	0.87	9860
Report-MultimediaShare	0.17	0.04	0.07	2367

sc-rf-022**Task 2**

avg / total	0.68	0.77	0.72	12227
-------------	------	------	------	-------

Report-ServiceAvailable

precision	recall	f1-score	support
-----------	--------	----------	---------

Other Classes	1.00	1.00	1.00	12188
---------------	------	------	------	-------

Report-ServiceAvailable	0.02	0.03	0.02	39
-------------------------	------	------	------	----

avg / total	0.99	0.99	0.99	12227
-------------	------	------	------	-------

Other-Advice

precision	recall	f1-score	support
-----------	--------	----------	---------

Other Classes	0.99	1.00	0.99	12087
---------------	------	------	------	-------

Other-Advice	0.00	0.00	0.00	140
--------------	------	------	------	-----

avg / total	0.98	0.99	0.98	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
-------------	------	------	------	-------