

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: sc-rf-027 (sc-rf-027.2020A.task2.run)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.7420803782505913
> Low Importance Alert Worth: -0.0017553125794799098
> Accumulated Alert Worth: -0.3719178454150356

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.3696285776202871

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.05625505523072744
> Information Type Recall (positive class, multi-type, macro): 0.0035037107183513625
> Information Type F1 (positive class, multi-type, macro): 0.006516957094094764
> Information Type Accuracy (overall, multi-type, macro): 0.8752697372146133
> High Importance Information Type Precision (positive class, multi-type, macro): 0.011111111111111112
> High Importance Information Type Recall (positive class, multi-type, macro): 0.00041407867494824016
> High Importance Information Type F1 (positive class, multi-type, macro): 0.0007984031936127746
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9808756576974456
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.09494986447611287
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.00615196675554039
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.01141857472307933
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7847503768007573

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.09200886407049494
> Priority Label Prediction High Importance (F1, macro): 0.06841807087524224
> Priority Label Prediction Low Importance (F1, macro): 0.1122295439521401

LATEX

sc-rf-027 & 0.3696 & -0.7421 & -0.3719 & 0.0008 & 0.0065 & 0.8753 & 0.0684 & 0.0920 \\

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

Run: sc-rf-027 (sc-rf-027.2020A.task2.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): 0.9074646283948611
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): 0.8320749018423437

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): 0.9229129079875348
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): 0.9996446339729922
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): 0.8571428571428571

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.0944055944055944
Information Type Recall (positive class, multi-type, macro): 0.004736920460338441
Information Type F1 (positive class, multi-type, macro): 0.008986568986568987
Information Type Accuracy (overall, multi-type, macro): 0.8292917938011884
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): 0.9933890048712596
Low Importance Information Type Precision (positive class, multi-type, macro): 0.17532467532467533
Low Importance Information Type Recall (positive class, multi-type, macro): 0.008797137997771392
Low Importance Information Type F1 (positive class, multi-type, macro): 0.01668934240362812

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.688637041455413

daytonOhioShooting2020

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): 0.8796761133603238

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): 1.0

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): 0.7765413533834586

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.014652014652014652

Information Type Recall (positive class, multi-type, macro): 0.00338123415046492

Information Type F1 (positive class, multi-type, macro): 0.005494505494505495

Information Type Accuracy (overall, multi-type, macro): 0.8905259551139284

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): 0.9988864142538976

Low Importance Information Type Precision (positive class, multi-type, macro): 0.027210884353741496

Low Importance Information Type Recall (positive class, multi-type, macro): 0.006279434850863423

Low Importance Information Type F1 (positive class, multi-type, macro): 0.010204081632653062

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7976455615653835

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.0967032967032967

Information Type Recall (positive class, multi-type, macro): 0.009142960599271279

Information Type F1 (positive class, multi-type, macro): 0.016488774383511227

Information Type Accuracy (overall, multi-type, macro): 0.8733224222585926

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): 0.999645390070922

Low Importance Information Type Precision (positive class, multi-type, macro): 0.17959183673469387

Low Importance Information Type Recall (positive class, multi-type, macro): 0.016979783970075234

Low Importance Information Type F1 (positive class, multi-type, macro): 0.030622009569377995

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7650455927051673

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.020979020979020976

Information Type Recall (positive class, multi-type, macro): 0.014102564102564105

Information Type F1 (positive class, multi-type, macro): 0.016614521523357427
Information Type Accuracy (overall, multi-type, macro): 0.9106117762834179
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): 0.9936034115138592
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03896103896103896
Low Importance Information Type Recall (positive class, multi-type, macro): 0.02619047619047619
Low Importance Information Type F1 (positive class, multi-type, macro): 0.030855539971949508
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8394760889430399

indonesiaEarthquake2020

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): 0.8266775777414075
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): 0.8804964539007093
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): 0.780547112462006

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.08461538461538462
Information Type Recall (positive class, multi-type, macro): 0.001612186386175284
Information Type F1 (positive class, multi-type, macro): 0.003155409152787348
Information Type Accuracy (overall, multi-type, macro): 0.8103482195553807
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): 1.0
Low Importance Information Type Precision (positive class, multi-type, macro): 0.15714285714285717
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0029940604314683847
Low Importance Information Type F1 (positive class, multi-type, macro): 0.005860045569462217
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6477895506028498

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.02564102564102564
Information Type Recall (positive class, multi-type, macro): 0.010989010989010988
Information Type F1 (positive class, multi-type, macro): 0.015384615384615385
Information Type Accuracy (overall, multi-type, macro): 0.876759410801964
High Importance Information Type Precision (positive class, multi-type, macro): 0.05555555555555555
High Importance Information Type Recall (positive class, multi-type, macro): 0.023809523809523808
High Importance Information Type F1 (positive class, multi-type, macro): 0.03333333333333333

High Importance Information Type Accuracy (overall, multi-type, macro): 0.9666666666666667
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): 0.7996960486322189

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.00641025641025641
Information Type Recall (positive class, multi-type, macro): 0.0005827505827505828
Information Type F1 (positive class, multi-type, macro): 0.0010683760683760683
Information Type Accuracy (overall, multi-type, macro): 0.7891929099982792
High Importance Information Type Precision (positive class, multi-type, macro): 0.013888888888888888
High Importance Information Type Recall (positive class, multi-type, macro): 0.0012626262626262627
High Importance Information Type F1 (positive class, multi-type, macro): 0.0023148148148148147
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9466815809097687
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): 0.6542026206455737

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.07692307692307693
Information Type Recall (positive class, multi-type, macro): 0.00043956043956043956
Information Type F1 (positive class, multi-type, macro): 0.000874125874125874
Information Type Accuracy (overall, multi-type, macro): 0.86222005842259
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): 0.9729254571026723
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14285714285714285
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0008163265306122449
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0016233766233766233
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7673297166968053

typhoonKrosa2020

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): 0.9065698250247607
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): 0.9949928469241773
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): 0.8307786633966892

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.09763313609467456
Information Type Recall (positive class, multi-type, macro): 0.036268556005398106
Information Type F1 (positive class, multi-type, macro): 0.05174587989737792
Information Type Accuracy (overall, multi-type, macro): 0.9027390519927834
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): 0.9840085287846482
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1813186813186813
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06735588972431077
Low Importance Information Type F1 (positive class, multi-type, macro): 0.09609949123798756
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8330795004568993

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.038461538461538464
Information Type Recall (positive class, multi-type, macro): 0.0017683465959328027
Information Type F1 (positive class, multi-type, macro): 0.00338123415046492
Information Type Accuracy (overall, multi-type, macro): 0.7805860805860807
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): 0.888095238095238
Low Importance Information Type Precision (positive class, multi-type, macro): 0.07142857142857142
Low Importance Information Type Recall (positive class, multi-type, macro): 0.003284072249589491
Low Importance Information Type F1 (positive class, multi-type, macro): 0.006279434850863423
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6884353741496599

sc-rf-027

task2

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

Run: sc-rf-027 (sc-rf-027.2020A.task2.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	0.00	0.00	0.00	10
avg / total	1.00	1.00	1.00	12227

CallToAction-MovePeople

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

sc-rf-027**task2**

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	1.00	1.00	12190
Report-FirstPartyObservation	0.00	0.00	0.00	37
avg / total	0.99	0.99	0.99	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.72	0.99	0.83	8789
Report-Location	0.41	0.02	0.03	3438
avg / total	0.63	0.72	0.61	12227

Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.93	1.00	0.96	11422
Report-EmergingThreats	0.07	0.00	0.00	805
avg / total	0.88	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	0.98	0.89	9860
Report-MultimediaShare	0.26	0.03	0.05	2367

sc-rf-027

task2

avg / total 0.70 0.80 0.72 12227

Report-ServiceAvailable

precision recall f1-score support

Other Classes 1.00 1.00 1.00 12188

Report-ServiceAvailable 0.00 0.00 0.00 39

avg / total 0.99 1.00 1.00 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 0.00 0.00 12227

Other-Any 0.00 0.00 0.00 0

avg / total 1.00 0.00 0.00 12227