

sc-rf-024

task1

TREC-IS 2020-A Task 1 Notebook Evaluator v2.4

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

EVALUATOR: Alerting 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: 0.3763004622281861

EVALUATOR: Information Type Categorization

Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.13964454919364885
> Information Type Recall (positive class, multi-type, macro): 0.08471211545447431
> Information Type F1 (positive class, multi-type, macro): 0.08609570023387153
> Information Type Accuracy (overall, multi-type, macro): 0.921746953463646
> High Importance Information Type Precision (positive class, multi-type, macro): 0.003875968992248062
> High Importance Information Type Recall (positive class, multi-type, macro): 0.003968253968253968
> High Importance Information Type F1 (positive class, multi-type, macro): 0.00392156862745098
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9782993920558328
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.18251883767830174
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.11021017697643865
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.11204542600432013
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9038882886450607

EVALUATOR: Information Priority Level

Overall Performance

> Priority Label Prediction (F1, macro): 0.15744938189203167
> Priority Label Prediction High Importance (F1, macro): 0.05937378522849137
> Priority Label Prediction Low Importance (F1, macro): 0.18842062294367595

LATEX

sc-rf-024 & 0.3763 & -0.7006 & -0.3597 & 0.0039 & 0.0861 & 0.9217 & 0.0594 & 0.1574 \\

TREC-IS 2020-A Task 1 Notebook Evaluator v2.4

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

EVALUATOR: 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): 0.9407188160676533
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): 0.9234449760765553

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): 0.9588059701492537
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): 0.9461339916956572

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.13787248046071576
Information Type Recall (positive class, multi-type, macro): 0.009443618295984566
Information Type F1 (positive class, multi-type, macro): 0.017447675974175902
Information Type Accuracy (overall, multi-type, macro): 0.8479331941544885
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): 0.18141115850094178
Low Importance Information Type Recall (positive class, multi-type, macro): 0.012425813547348114
Low Importance Information Type F1 (positive class, multi-type, macro): 0.022957468387073555

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8027689264915943

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.00533333333333333333
Information Type Recall (positive class, multi-type, macro): 0.0005714285714285714
Information Type F1 (positive class, multi-type, macro): 0.001032258064516129
Information Type Accuracy (overall, multi-type, macro): 0.9470315789473688
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): 0.9964912280701754
Low Importance Information Type Precision (positive class, multi-type, macro): 0.007017543859649123
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0007518796992481202
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0013582342954159593
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9314127423822715

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.055353535353535356
Information Type Recall (positive class, multi-type, macro): 0.04323437756273577
Information Type F1 (positive class, multi-type, macro): 0.045300419189566836
Information Type Accuracy (overall, multi-type, macro): 0.9366592427616928
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): 0.07283359914938863
Low Importance Information Type Recall (positive class, multi-type, macro): 0.05688733889833655
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05960581472311426
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9172429961317548

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09618357487922705
Information Type Recall (positive class, multi-type, macro): 0.0061041658911284435
Information Type F1 (positive class, multi-type, macro): 0.010180557881979684
Information Type Accuracy (overall, multi-type, macro): 0.9190638297872343
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): 0.12655733536740402
Low Importance Information Type Recall (positive class, multi-type, macro): 0.008031797225169005
Low Importance Information Type F1 (positive class, multi-type, macro): 0.013395470897341688
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8941769316909296

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.024444444444444442
Information Type Recall (positive class, multi-type, macro): 0.014499999999999999

Information Type F1 (positive class, multi-type, macro): 0.01627402685212016
Information Type Accuracy (overall, multi-type, macro): 0.9491684434968016
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): 0.03216374269005848
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019078947368421053
Low Importance Information Type F1 (positive class, multi-type, macro): 0.021413193226473892
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9355852317360567

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.041428571428571426
Information Type Recall (positive class, multi-type, macro): 0.007712418300653595
Information Type F1 (positive class, multi-type, macro): 0.013002698188359245
Information Type Accuracy (overall, multi-type, macro): 0.8977021276595746
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): 0.05451127819548871
Low Importance Information Type Recall (positive class, multi-type, macro): 0.010147918816649467
Low Importance Information Type F1 (positive class, multi-type, macro): 0.017108813405735848
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9040313549832028

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.2006926406926407
Information Type Recall (positive class, multi-type, macro): 0.03332872454531378
Information Type F1 (positive class, multi-type, macro): 0.04715858846955462
Information Type Accuracy (overall, multi-type, macro): 0.8572890025575447
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): 0.26406926406926406
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04385358492804445
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06205077430204555
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8142414860681115

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.07853968253968255
Information Type Recall (positive class, multi-type, macro): 0.025836254257091008
Information Type F1 (positive class, multi-type, macro): 0.03844113527245906
Information Type Accuracy (overall, multi-type, macro): 0.9189787234042552
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): 0.10334168755221387
Low Importance Information Type Recall (positive class, multi-type, macro): 0.03399507139090922
Low Importance Information Type F1 (positive class, multi-type, macro): 0.050580441147972444
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.90515117581187

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.0823768115942029
Information Type Recall (positive class, multi-type, macro): 0.0050089341736510315
Information Type F1 (positive class, multi-type, macro): 0.009396484732258556
Information Type Accuracy (overall, multi-type, macro): 0.8663087248322148
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): 0.10839054157131961
Low Importance Information Type Recall (positive class, multi-type, macro): 0.006590702860067147
Low Importance Information Type F1 (positive class, multi-type, macro): 0.012363795700340205
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8421052631578949

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.02
Information Type Recall (positive class, multi-type, macro): 0.00045714285714285713
Information Type F1 (positive class, multi-type, macro): 0.0008938547486033519
Information Type Accuracy (overall, multi-type, macro): 0.9192405063291139
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): 0.02631578947368421
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0006015037593984962
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0011761246692149367
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9025094381523429

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.0034020657358550654
Information Type Recall (positive class, multi-type, macro): 0.05143859649122807
Information Type F1 (positive class, multi-type, macro): 0.005540164670599452
Information Type Accuracy (overall, multi-type, macro): 0.9193991416309012
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): 0.004476402284019823
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06768236380424746
Low Importance Information Type F1 (positive class, multi-type, macro): 0.007289690356051911
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8968827648520443

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.054080143689651326
Information Type Recall (positive class, multi-type, macro): 0.05203786493260177
Information Type F1 (positive class, multi-type, macro): 0.0416527829142499
Information Type Accuracy (overall, multi-type, macro): 0.8954371002132198
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): 0.0711580838021728
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06847087491131812
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05480629330822355
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8690382673100664

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.19863636363636364
Information Type Recall (positive class, multi-type, macro): 0.01925004734637485
Information Type F1 (positive class, multi-type, macro): 0.0329478263971665
Information Type Accuracy (overall, multi-type, macro): 0.8626666666666667
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): 0.20873205741626794
Low Importance Information Type Recall (positive class, multi-type, macro): 0.020943044754001994
Low Importance Information Type F1 (positive class, multi-type, macro): 0.035255237162263614
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8548872180451128

sc-rf-024

task1

TREC-IS 2020-A Task 1 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	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

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CallToAction-Donations	0.31	0.13	0.19	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	0.00	0.00	0.00	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	0.07	0.01	40
avg / total	0.99	0.96	0.98	12227
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	11890
Report-ThirdPartyObservation	0.05	0.06	0.05	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	0.03	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	0.33	0.02	0.03	3441

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avg / total	0.61	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	0.93	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	0.97	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
avg / total	0.68	0.78	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	0.31	0.05	0.09	1664
avg / total	0.79	0.85	0.81	12227

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Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	11844
Report-Official	0.40	0.11	0.17	383
avg / total	0.95	0.97	0.96	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.86	0.95	0.90	10583
Report-News	0.11	0.04	0.06	1644
avg / total	0.76	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	0.10	0.03	0.05	1421
avg / total	0.79	0.86	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

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	precision	recall	f1-score	support
Other Classes	0.96	0.99	0.98	11732
Other-ContextualInformation	0.02	0.00	0.01	495
avg / total	0.92	0.95	0.94	12227

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	12084
Other-Advice	0.00	0.00	0.00	143
avg / total	0.98	0.99	0.98	12227

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.87	0.93	12055
Other-Sentiment	0.02	0.21	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	0.14	0.19	4339
Other-Irrelevant	0.64	0.83	0.72	7888
avg / total	0.52	0.59	0.54	12227