

TREC-IS 2020-A Task 1 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: 0.38163114274778215

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.140982074998848
> Information Type Recall (positive class, multi-type, macro): 0.08461005004410982
> Information Type F1 (positive class, multi-type, macro): 0.08502977895208179
> Information Type Accuracy (overall, multi-type, macro): 0.9216782530465365
> High Importance Information Type Precision (positive class, multi-type, macro): 0.0062909799751905025
> High Importance Information Type Recall (positive class, multi-type, macro): 0.00438079522237938
> High Importance Information Type F1 (positive class, multi-type, macro): 0.004102027255279736
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9782448679152695
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.1835161050063188
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.10994560419834046
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.1105859110668614
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9038151115090417

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.16948888785423924
> Priority Label Prediction High Importance (F1, macro): 0.06879469687767682
> Priority Label Prediction Low Importance (F1, macro): 0.20128705342578534

LATEX

sc-rf-022 & 0.3816 & -0.6806 & -0.3504 & 0.0041 & 0.0850 & 0.9217 & 0.0688 & 0.1695 \\

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

Run: sc-rf-022 (sc-rf-022.2020A.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): 0.9406342494714588
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): 0.923333704239457

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): 0.958720682302772
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): 0.9460217708450233

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.13725925925925928
Information Type Recall (positive class, multi-type, macro): 0.012101050285954915
Information Type F1 (positive class, multi-type, macro): 0.02197155878753568
Information Type Accuracy (overall, multi-type, macro): 0.8484342379958244
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): 0.18060428849902538
Low Importance Information Type Recall (positive class, multi-type, macro): 0.015922434586782785
Low Importance Information Type F1 (positive class, multi-type, macro): 0.028909945773073265

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8034281947038787

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.005
Information Type Recall (positive class, multi-type, macro): 0.0005714285714285714
Information Type F1 (positive class, multi-type, macro): 0.0010256410256410256
Information Type Accuracy (overall, multi-type, macro): 0.9471157894736845
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): 0.006578947368421052
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0007518796992481202
Low Importance Information Type F1 (positive class, multi-type, macro): 0.001349527665317139
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9315235457063712

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.0696
Information Type Recall (positive class, multi-type, macro): 0.04308680083960983
Information Type F1 (positive class, multi-type, macro): 0.04501705191360363
Information Type Accuracy (overall, multi-type, macro): 0.9357683741648108
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): 0.09157894736842105
Low Importance Information Type Recall (positive class, multi-type, macro): 0.05669315899948662
Low Importance Information Type F1 (positive class, multi-type, macro): 0.059232963044215305
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9161880201617629

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.08747826086956521
Information Type Recall (positive class, multi-type, macro): 0.005352934136290586
Information Type F1 (positive class, multi-type, macro): 0.007466419106521054
Information Type Accuracy (overall, multi-type, macro): 0.9195744680851066
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): 0.11510297482837528
Low Importance Information Type Recall (positive class, multi-type, macro): 0.007043334389856034
Low Importance Information Type F1 (positive class, multi-type, macro): 0.00982423566647507
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8948488241881299

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.024017316017316017
Information Type Recall (positive class, multi-type, macro): 0.014499999999999999

Information Type F1 (positive class, multi-type, macro): 0.016011091305208957
Information Type Accuracy (overall, multi-type, macro): 0.948912579957356
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): 0.0316017316017316
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019078947368421053
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02106722540159073
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9352485691841544

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.05554761904761905
Information Type Recall (positive class, multi-type, macro): 0.018306595365418895
Information Type F1 (positive class, multi-type, macro): 0.021376518218623478
Information Type Accuracy (overall, multi-type, macro): 0.8966808510638299
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): 0.07308897243107769
Low Importance Information Type Recall (positive class, multi-type, macro): 0.024087625480814334
Low Importance Information Type F1 (positive class, multi-type, macro): 0.028126997656083525
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.902687569988802

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.2111950271950272
Information Type Recall (positive class, multi-type, macro): 0.03359399771535408
Information Type F1 (positive class, multi-type, macro): 0.04775598843306098
Information Type Accuracy (overall, multi-type, macro): 0.8569820971867006
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): 0.27788819367766737
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04420262857283432
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06283682688560656
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8142414860681115

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.08084398881640262
Information Type Recall (positive class, multi-type, macro): 0.029313520769632336
Information Type F1 (positive class, multi-type, macro): 0.04233473863662542
Information Type Accuracy (overall, multi-type, macro): 0.9194042553191487
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): 0.1063736694952666
Low Importance Information Type Recall (positive class, multi-type, macro): 0.038570422065305705
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05570360346924398
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9057110862262037

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.0819047619047619
Information Type Recall (positive class, multi-type, macro): 0.005212622968961081
Information Type F1 (positive class, multi-type, macro): 0.00972752283311763
Information Type Accuracy (overall, multi-type, macro): 0.8661297539149888
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): 0.10526315789473684
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0064599903499089175
Low Importance Information Type F1 (positive class, multi-type, macro): 0.012111377652794953
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8417520310844225

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.01
Information Type Recall (positive class, multi-type, macro): 0.00045714285714285713
Information Type F1 (positive class, multi-type, macro): 0.0008743169398907103
Information Type Accuracy (overall, multi-type, macro): 0.9179746835443037
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): 0.013157894736842105
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0006015037593984962
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0011504170261719873
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9013990672884744

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.0034587225666619066
Information Type Recall (positive class, multi-type, macro): 0.05143859649122807
Information Type F1 (positive class, multi-type, macro): 0.005222222222222223
Information Type Accuracy (overall, multi-type, macro): 0.9188841201716739
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): 0.0045509507456077715
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06768236380424746
Low Importance Information Type F1 (positive class, multi-type, macro): 0.006871345029239767
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8963180483397334

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.059412710237452517
Information Type Recall (positive class, multi-type, macro): 0.05203786493260177
Information Type F1 (positive class, multi-type, macro): 0.04247829736512973
Information Type Accuracy (overall, multi-type, macro): 0.8966311300639657
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): 0.07817461873349014
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06847087491131812
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05589249653306543
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8695993715632365

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.1667998667998668
Information Type Recall (positive class, multi-type, macro): 0.01950147054852195
Information Type F1 (positive class, multi-type, macro): 0.03164279602483129
Information Type Accuracy (overall, multi-type, macro): 0.8601904761904762
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): 0.1405261405261405
Low Importance Information Type Recall (positive class, multi-type, macro): 0.02067577863242521
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03236850129223191
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8523809523809525

sc-rf-022

task1

TREC-IS 2020-A Task 1 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	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

sc-rf-022**task1**

CallToAction-Donations	0.27	0.13	0.18	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	0.95	0.97	12227

Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	11890
Report-ThirdPartyObservation	0.06	0.07	0.06	337
avg / total	0.95	0.94	0.95	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

sc-rf-022**task1**

avg / total	0.61	0.71	0.61	12227
-------------	------	------	------	-------

Report-EmergingThreats

	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	11419
Report-EmergingThreats	0.02	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	0.81	0.95	0.87	9860
Report-MultimediaShare	0.17	0.04	0.07	2367
avg / total	0.68	0.77	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	0.34	0.05	0.09	1664
avg / total	0.80	0.86	0.81	12227

sc-rf-022**task1**

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	11844
Report-Official	0.41	0.07	0.12	383
avg / total	0.95	0.97	0.96	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.86	0.94	0.90	10583
Report-News	0.12	0.05	0.07	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	0.97	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

sc-rf-022

task1

	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	0.22	0.04	172
avg / total	0.97	0.87	0.92	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	0.20	4339
Other-Irrelevant	0.64	0.83	0.72	7888
avg / total	0.53	0.59	0.54	12227