

sc-rf-023

task1

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

Run: sc-rf-023 (sc-rf-023.2020A.task1.run)

EVALUATOR: Alerting 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: 0.3824033288386019

EVALUATOR: Information Type Categorization

Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.1420032771113646
> Information Type Recall (positive class, multi-type, macro): 0.08078648083555709
> Information Type F1 (positive class, multi-type, macro): 0.08527863355477881
> Information Type Accuracy (overall, multi-type, macro): 0.9209421771489326
> High Importance Information Type Precision (positive class, multi-type, macro): 0.02615972222222223
> High Importance Information Type Recall (positive class, multi-type, macro): 0.006999383352378821
> High Importance Information Type F1 (positive class, multi-type, macro): 0.008514455870104591
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.977781412720482
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.1785854523395148
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.10408766951445551
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.1095199528236233
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9029929448631804

EVALUATOR: Information Priority Level

Overall Performance

> Priority Label Prediction (F1, macro): 0.17823846786599298
> Priority Label Prediction High Importance (F1, macro): 0.0917960418012435
> Priority Label Prediction Low Importance (F1, macro): 0.2055360760969665

LATEX

sc-rf-023 & 0.3824 & -0.6760 & -0.3480 & 0.0085 & 0.0853 & 0.9209 & 0.0918 & 0.1782 \\

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

Run: sc-rf-023 (sc-rf-023.2020A.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): 0.9356448202959833
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): 0.9172137531990654

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): 0.957356076759062
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): 0.9445628997867805

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.15026610644257704
Information Type Recall (positive class, multi-type, macro): 0.012651972682823304
Information Type F1 (positive class, multi-type, macro): 0.023034232455748392
Information Type Accuracy (overall, multi-type, macro): 0.849686847599165
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): 0.19771856110865402
Low Importance Information Type Recall (positive class, multi-type, macro): 0.016647332477399086
Low Importance Information Type F1 (positive class, multi-type, macro): 0.030308200599668936

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8050763652345896

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.006153846153846154
Information Type Recall (positive class, multi-type, macro): 0.0005714285714285714
Information Type F1 (positive class, multi-type, macro): 0.001045751633986928
Information Type Accuracy (overall, multi-type, macro): 0.9462736842105265
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): 0.9971929824561404
Low Importance Information Type Precision (positive class, multi-type, macro): 0.008097165991902834
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0007518796992481202
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0013759889920880633
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9301939058171744

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.12063636363636362
Information Type Recall (positive class, multi-type, macro): 0.04660800862517355
Information Type F1 (positive class, multi-type, macro): 0.05190179130486637
Information Type Accuracy (overall, multi-type, macro): 0.936748329621381
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): 0.15873205741626792
Low Importance Information Type Recall (positive class, multi-type, macro): 0.061326327138386254
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06829183066429785
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9178290938928615

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.08807692307692308
Information Type Recall (positive class, multi-type, macro): 0.009032527774275347
Information Type F1 (positive class, multi-type, macro): 0.013831990446758142
Information Type Accuracy (overall, multi-type, macro): 0.9188936170212769
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): 0.11589068825910932
Low Importance Information Type Recall (positive class, multi-type, macro): 0.011884904966151773
Low Importance Information Type F1 (positive class, multi-type, macro): 0.018199987429944924
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8936170212765958

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.019457875457875456
Information Type Recall (positive class, multi-type, macro): 0.014499999999999999

Information Type F1 (positive class, multi-type, macro): 0.015271132376395536
Information Type Accuracy (overall, multi-type, macro): 0.9477185501066097
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): 0.025602467707730864
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019078947368421053
Low Importance Information Type F1 (positive class, multi-type, macro): 0.020093595232099387
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9337896981259118

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.046730769230769235
Information Type Recall (positive class, multi-type, macro): 0.019156268568033274
Information Type F1 (positive class, multi-type, macro): 0.02034739454094293
Information Type Accuracy (overall, multi-type, macro): 0.8943829787234043
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): 0.06148785425101215
Low Importance Information Type Recall (positive class, multi-type, macro): 0.025205616536885887
Low Importance Information Type F1 (positive class, multi-type, macro): 0.026772887553872277
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9001119820828667

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.21600000000000003
Information Type Recall (positive class, multi-type, macro): 0.034429938338031076
Information Type F1 (positive class, multi-type, macro): 0.049132914032792005
Information Type Accuracy (overall, multi-type, macro): 0.8569820971867007
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): 0.28421052631578947
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04530255044477773
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06464857109577896
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8142414860681115

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.06641234104648738
Information Type Recall (positive class, multi-type, macro): 0.03218186789966938
Information Type F1 (positive class, multi-type, macro): 0.043059001378329104
Information Type Accuracy (overall, multi-type, macro): 0.9155744680851065
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): 0.08738465927169392
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04234456302588076
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05665658076095935
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9029115341545352

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.12357295637895337
Information Type Recall (positive class, multi-type, macro): 0.008451409890990509
Information Type F1 (positive class, multi-type, macro): 0.015196014972648206
Information Type Accuracy (overall, multi-type, macro): 0.8650559284116333
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): 0.16030766571601418
Low Importance Information Type Recall (positive class, multi-type, macro): 0.010721552089421323
Low Importance Information Type F1 (positive class, multi-type, macro): 0.01931563939525019
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8406923348640056

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.014666666666666668
Information Type Recall (positive class, multi-type, macro): 0.0009116883116883118
Information Type F1 (positive class, multi-type, macro): 0.001715928694652099
Information Type Accuracy (overall, multi-type, macro): 0.9178902953586497
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): 0.01929824561403509
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0011995898838004103
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0022578009140159197
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9012880302020876

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.004565684899485741
Information Type Recall (positive class, multi-type, macro): 0.016771929824561403
Information Type F1 (positive class, multi-type, macro): 0.006746547441629409
Information Type Accuracy (overall, multi-type, macro): 0.9230901287553648
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): 0.006007480130902291
Low Importance Information Type Recall (positive class, multi-type, macro): 0.022068328716528165
Low Importance Information Type F1 (positive class, multi-type, macro): 0.008877036107407118
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.901626383555455

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.045861702779923734
Information Type Recall (positive class, multi-type, macro): 0.039961051276840756
Information Type F1 (positive class, multi-type, macro): 0.03794777141118605
Information Type Accuracy (overall, multi-type, macro): 0.8956929637526653
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): 0.06034434576305754
Low Importance Information Type Recall (positive class, multi-type, macro): 0.052580330627422046
Low Importance Information Type F1 (positive class, multi-type, macro): 0.04993127817261322
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8688138256087982

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.18798989898989896
Information Type Recall (positive class, multi-type, macro): 0.017142735663033808
Information Type F1 (positive class, multi-type, macro): 0.030003677046395262
Information Type Accuracy (overall, multi-type, macro): 0.8619047619047617
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): 0.16840776182881448
Low Importance Information Type Recall (positive class, multi-type, macro): 0.015325316009918833
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02656161477571769
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8521303258145365

sc-rf-023

task1

TREC-IS 2020-A Task 1 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	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-023**task1**

CallToAction-Donations	0.21	0.13	0.16	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	0.13	0.02	0.03	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	0.00	0.00	0.00	40
avg / total	0.99	0.96	0.97	12227

Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.96	0.97	11890
Report-ThirdPartyObservation	0.03	0.04	0.03	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	0.01	0.01	147
avg / total	0.98	0.96	0.97	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.72	0.98	0.83	8786
Report-Location	0.35	0.02	0.04	3441

sc-rf-023**task1**

avg / total	0.62	0.71	0.61	12227
-------------	------	------	------	-------

Report-EmergingThreats

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

Other Classes	0.93	0.99	0.96	11419
---------------	------	------	------	-------

Report-EmergingThreats	0.01	0.00	0.00	808
------------------------	------	------	------	-----

avg / total	0.87	0.92	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	0.96	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
------------------------	------	------	------	------

avg / total	0.69	0.78	0.72	12227
-------------	------	------	------	-------

Report-ServiceAvailable

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

Other Classes	1.00	0.99	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	0.35	0.07	0.12	1664
----------------	------	------	------	------

avg / total	0.80	0.86	0.81	12227
-------------	------	------	------	-------

sc-rf-023**task1**

Report-Official

	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	11844
Report-Official	0.33	0.07	0.11	383
avg / total	0.95	0.97	0.96	12227

Report-News

	precision	recall	f1-score	support
Other Classes	0.87	0.94	0.90	10583
Report-News	0.14	0.07	0.09	1644
avg / total	0.77	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	0.09	0.03	0.04	1421
avg / total	0.79	0.85	0.82	12227

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.98	0.97	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-023

task1

	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	11732
Other-ContextualInformation	0.04	0.00	0.01	495
avg / total	0.92	0.96	0.94	12227

Other-Advice

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

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.99	0.87	0.93	12055
Other-Sentiment	0.02	0.20	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	0.16	0.21	4339
Other-Irrelevant	0.64	0.82	0.72	7888
avg / total	0.53	0.59	0.54	12227