

njit-sub01.text

Task 2

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: njit-sub01.text (njit-sub01.text.2020A.task1.run)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.4801418439716308
> Low Importance Alert Worth: -0.01845449185443989
> Accumulated Alert Worth: -0.24929816791303533

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.4630774167628877

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.1796787596913858
> Information Type Recall (positive class, multi-type, macro): 0.11273135910645848
> Information Type F1 (positive class, multi-type, macro): 0.1025723911738279
> Information Type Accuracy (overall, multi-type, macro): 0.9413844518121937
> High Importance Information Type Precision (positive class, multi-type, macro): 0.2241207308020887
> High Importance Information Type Recall (positive class, multi-type, macro): 0.06233010146053625
> High Importance Information Type F1 (positive class, multi-type, macro): 0.08030165149150954
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9758866988359096
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.14158564159649759
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.15593243708867757
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12166159661581509
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9118110972204373

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.16785119549075775
> Priority Label Prediction High Importance (F1, macro): 0.15541134615137472
> Priority Label Prediction Low Importance (F1, macro): 0.17851392349594322

LATEX

njit-sub01.text & 0.4631 & -0.4801 & -0.2493 & 0.0803 & 0.1026 & 0.9414 & 0.1554 & 0.1679 \\

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

Run: njit-sub01.text (njit-sub01.text.2020A.task1.run)

EVALUATOR: Information Type Categorization (Multi-type)
Per Event Performance

athensEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.1115327970998074
Information Type Recall (positive class, multi-type, macro): 0.09423909423909424
Information Type F1 (positive class, multi-type, macro): 0.09431722124029815
Information Type Accuracy (overall, multi-type, macro): 0.9627581720604977
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): 0.9802677942212826
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2071323374710709
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17501546072974644
Low Importance Information Type F1 (positive class, multi-type, macro): 0.17516055373198228
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9477499244941106

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): 0.989667049368542
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): 0.9975124378109452
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): 0.9829424307036246

brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.18648933484098323
Information Type Recall (positive class, multi-type, macro): 0.05845272127308372
Information Type F1 (positive class, multi-type, macro): 0.08384811573434328
Information Type Accuracy (overall, multi-type, macro): 0.9214710133290509
High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
High Importance Information Type F1 (positive class, multi-type, macro): 0.03333333333333333
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9937369519832986
Low Importance Information Type Precision (positive class, multi-type, macro): 0.20348019327611164
Low Importance Information Type Recall (positive class, multi-type, macro): 0.09268203791985388
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12714650064949468

njit-sub01.text

Task 2

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8595287801968386

daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.06592702169625247
Information Type Recall (positive class, multi-type, macro): 0.05064102564102564
Information Type F1 (positive class, multi-type, macro): 0.05611032698188661
Information Type Accuracy (overall, multi-type, macro): 0.951255060728745
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): 0.9989473684210526
Low Importance Information Type Precision (positive class, multi-type, macro): 0.12243589743589745
Low Importance Information Type Recall (positive class, multi-type, macro): 0.09404761904761905
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10420489296636085
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9103759398496241

elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.07879459170422429
Information Type Recall (positive class, multi-type, macro): 0.062028526488117526
Information Type F1 (positive class, multi-type, macro): 0.06839674662255307
Information Type Accuracy (overall, multi-type, macro): 0.9684769573410998
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): 0.9985152190051968
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14633281316498795
Low Importance Information Type Recall (positive class, multi-type, macro): 0.11519583490650398
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12702252944188427
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9427298759147311

gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.11377383300460224
Information Type Recall (positive class, multi-type, macro): 0.06652409079593545
Information Type F1 (positive class, multi-type, macro): 0.08393732559863759
Information Type Accuracy (overall, multi-type, macro): 0.9633387888707037
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): 0.2112942612942613
Low Importance Information Type Recall (positive class, multi-type, macro): 0.12354474004959441
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1558836046831841
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9322188449848025

hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.09001590217691913
Information Type Recall (positive class, multi-type, macro): 0.16282051282051282

njit-sub01.text**Task 2**

Information Type F1 (positive class, multi-type, macro): 0.049063229207569996
Information Type Accuracy (overall, multi-type, macro): 0.9458750205018861
High Importance Information Type Precision (positive class, multi-type, macro): 0.1694915254237288
High Importance Information Type Recall (positive class, multi-type, macro): 0.061111111111111116
High Importance Information Type F1 (positive class, multi-type, macro): 0.06068376068376069
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9733475479744137
Low Importance Information Type Precision (positive class, multi-type, macro): 0.021893939393939393
Low Importance Information Type Recall (positive class, multi-type, macro): 0.25
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0391027736565494
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9223271398111483

indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.22032967032967032
Information Type Recall (positive class, multi-type, macro): 0.05246630131958695
Information Type F1 (positive class, multi-type, macro): 0.07693819384995855
Information Type Accuracy (overall, multi-type, macro): 0.9014729950900163
High Importance Information Type Precision (positive class, multi-type, macro): 0.3432539682539682
High Importance Information Type Recall (positive class, multi-type, macro): 0.04119933612858141
High Importance Information Type F1 (positive class, multi-type, macro): 0.07294942000824355
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8872340425531915
Low Importance Information Type Precision (positive class, multi-type, macro): 0.11496598639455781
Low Importance Information Type Recall (positive class, multi-type, macro): 0.06212370005473454
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08035714285714286
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9136778115501519

keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.07308820212046017
Information Type Recall (positive class, multi-type, macro): 0.09099920697858842
Information Type F1 (positive class, multi-type, macro): 0.07140783744557327
Information Type Accuracy (overall, multi-type, macro): 0.8752705095416093
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): 0.9620630861040068
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13573523250942604
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16899852724594994
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1326145525606466
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8008768724881257

myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.10683760683760683
Information Type Recall (positive class, multi-type, macro): 0.041969067589879575
Information Type F1 (positive class, multi-type, macro): 0.03387288848536825
Information Type Accuracy (overall, multi-type, macro): 0.9278232405891979
High Importance Information Type Precision (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type Recall (positive class, multi-type, macro): 0.003875968992248062
High Importance Information Type F1 (positive class, multi-type, macro): 0.007575757575757575

njit-sub01.text**Task 2**

High Importance Information Type Accuracy (overall, multi-type, macro): 0.9524822695035461
Low Importance Information Type Precision (positive class, multi-type, macro): 0.055555555555555546
Low Importance Information Type Recall (positive class, multi-type, macro): 0.07462029495927801
Low Importance Information Type F1 (positive class, multi-type, macro): 0.056413286407891686
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9066869300911854

papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.22676672920575358
Information Type Recall (positive class, multi-type, macro): 0.03361730861730862
Information Type F1 (positive class, multi-type, macro): 0.056304913476045236
Information Type Accuracy (overall, multi-type, macro): 0.8709344346928239
High Importance Information Type Precision (positive class, multi-type, macro): 0.06910569105691057
High Importance Information Type Recall (positive class, multi-type, macro): 0.021464646464646464
High Importance Information Type F1 (positive class, multi-type, macro): 0.03275529865125241
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9470544369873228
Low Importance Information Type Precision (positive class, multi-type, macro): 0.3619047619047619
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04403387617673332
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07649029761158196
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8056887184403962

siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.10427350427350428
Information Type Recall (positive class, multi-type, macro): 0.016107763204537398
Information Type F1 (positive class, multi-type, macro): 0.026412049488972564
Information Type Accuracy (overall, multi-type, macro): 0.941252839987017
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): 0.9732770745428972
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19365079365079366
Low Importance Information Type Recall (positive class, multi-type, macro): 0.029914417379855167
Low Importance Information Type F1 (positive class, multi-type, macro): 0.04905094905094905
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9138034960819772

typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.009558230231307153
Information Type Recall (positive class, multi-type, macro): 0.11025641025641025
Information Type F1 (positive class, multi-type, macro): 0.016323839295388293
Information Type Accuracy (overall, multi-type, macro): 0.9534499834929021
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): 0.9881974248927038
Low Importance Information Type Precision (positive class, multi-type, macro): 0.017750999000999
Low Importance Information Type Recall (positive class, multi-type, macro): 0.20476190476190476
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03031570154857826
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9236664622930718

typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.0741791523861789
Information Type Recall (positive class, multi-type, macro): 0.07138177509964536
Information Type F1 (positive class, multi-type, macro): 0.056507403809355594
Information Type Accuracy (overall, multi-type, macro): 0.9381663113006398
High Importance Information Type Precision (positive class, multi-type, macro): 0.07971014492753624
High Importance Information Type Recall (positive class, multi-type, macro): 0.04263565891472868
High Importance Information Type F1 (positive class, multi-type, macro): 0.05555555555555556
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9832977967306324
Low Importance Information Type Precision (positive class, multi-type, macro): 0.06943830163644404
Low Importance Information Type Recall (positive class, multi-type, macro): 0.09602130325814537
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05732327374118419
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8994821809320744

whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.3575415466354545
Information Type Recall (positive class, multi-type, macro): 0.17817366414048183
Information Type F1 (positive class, multi-type, macro): 0.2130296511754606
Information Type Accuracy (overall, multi-type, macro): 0.8805860805860806
High Importance Information Type Precision (positive class, multi-type, macro): 0.41421568627450983
High Importance Information Type Recall (positive class, multi-type, macro): 0.1588861588861589
High Importance Information Type F1 (positive class, multi-type, macro): 0.20902014652014653
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9182539682539682
Low Importance Information Type Precision (positive class, multi-type, macro): 0.30896371265912137
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19470581150133004
Low Importance Information Type F1 (positive class, multi-type, macro): 0.21646636945144407
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8482993197278912

njit-sub01.text

Task 2

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4
Run: njit-sub01.text (njit-sub01.text.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	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

njit-sub01.text**Task 2**

CallToAction-MovePeople	1.00	0.13	0.23	115
avg / total	0.99	0.99	0.99	12227

Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12190
Report-FirstPartyObservation	0.02	0.30	0.05	37
avg / total	0.99	0.96	0.98	12227

Report-Location	precision	recall	f1-score	support
Other Classes	0.74	0.91	0.82	8789
Report-Location	0.46	0.18	0.26	3438
avg / total	0.66	0.71	0.66	12227

Report-EmergingThreats	precision	recall	f1-score	support
Other Classes	0.94	0.97	0.96	11422
Report-EmergingThreats	0.28	0.16	0.20	805
avg / total	0.90	0.92	0.91	12227

Report-NewSubEvent	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	11831
Report-NewSubEvent	0.05	0.01	0.02	396
avg / total	0.94	0.96	0.95	12227

Report-MultimediaShare	precision	recall	f1-score	support
Other Classes	0.83	0.85	0.84	9860
Report-MultimediaShare	0.31	0.29	0.30	2367

njit-sub01.text**Task 2**

avg / total	0.73	0.74	0.74	12227
-------------	------	------	------	-------

Report-ServiceAvailable

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

Other Classes	1.00	0.99	0.99	12188
---------------	------	------	------	-------

Report-ServiceAvailable	0.02	0.08	0.03	39
-------------------------	------	------	------	----

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

Other-Advice

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

Other Classes	0.99	0.98	0.99	12087
---------------	------	------	------	-------

Other-Advice	0.20	0.32	0.24	140
--------------	------	------	------	-----

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