

TREC-IS 2020-A Task 2 Notebook Evaluator v2.4  
Run: sc-rf-021 (sc-rf-021.2020A.task1.run)

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EVALUATOR: Alerting Performance  
Overall performance

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> High Importance Alert Worth: -0.666784869976359  
> Low Importance Alert Worth: -0.02094475331252348  
> Accumulated Alert Worth: -0.3438648116444412  
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EVALUATOR: nDCG and Priority  
Overall performance

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> nDCG: 0.3878635421860202  
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EVALUATOR: Information Type Categorization  
Overall performance

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> Information Type Precision (positive class, multi-type, macro): 0.13300347595112377  
> Information Type Recall (positive class, multi-type, macro): 0.06345325460998265  
> Information Type F1 (positive class, multi-type, macro): 0.07237345140729036  
> Information Type Accuracy (overall, multi-type, macro): 0.9458701109146842  
> High Importance Information Type Precision (positive class, multi-type, macro): 0.02735562310030395  
> High Importance Information Type Recall (positive class, multi-type, macro): 0.007172054998141955  
> High Importance Information Type F1 (positive class, multi-type, macro): 0.00904392764857881  
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9780540334232982  
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.22355877839468366  
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.11169428284870324  
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12665590034332883  
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9182838916215869  
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EVALUATOR: Information Priority Level  
Overall Performance

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> Priority Label Prediction (F1, macro): 0.1240987145033303  
> Priority Label Prediction High Importance (F1, macro): 0.0892204509716321  
> Priority Label Prediction Low Importance (F1, macro): 0.15399436895907165  
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LATEX

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sc-rf-021 & 0.3879 & -0.6668 & -0.3439 & 0.0090 & 0.0724 & 0.9459 & 0.0892 & 0.1241 \\  
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TREC-IS 2020-A Task 2 Notebook Evaluator v2.4

Run: sc-rf-021 (sc-rf-021.2020A.task1.run)

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EVALUATION: Information Type Categorization (Multi-type)  
Per Event Performance  
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## 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): 0.9798341193690032  
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): 0.9664753850800363

## 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): 0.996227652944071  
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): 0.9948218093207432

## brooklynBlockPartyShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09435897435897435  
Information Type Recall (positive class, multi-type, macro): 0.006692591907535313  
Information Type F1 (positive class, multi-type, macro): 0.012341218435845543  
Information Type Accuracy (overall, multi-type, macro): 0.9050907339007548  
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): 0.17523809523809522  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.012429099256851294  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.022919405666570296

Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8314941843125558

## daytonOhioShooting2020

Information Type Precision (positive class, multi-type, macro): 0.015384615384615385  
Information Type Recall (positive class, multi-type, macro): 0.0016483516483516484  
Information Type F1 (positive class, multi-type, macro): 0.002977667493796526  
Information Type Accuracy (overall, multi-type, macro): 0.95417004048583  
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): 0.9975438596491228  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.028571428571428574  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.003061224489795918  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.005529953917050691  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9169924812030075

## elPasoWalmartShooting2020

Information Type Precision (positive class, multi-type, macro): 0.08846153846153845  
Information Type Recall (positive class, multi-type, macro): 0.009811999101190922  
Information Type F1 (positive class, multi-type, macro): 0.01702801702801703  
Information Type Accuracy (overall, multi-type, macro): 0.9676203529210211  
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): 0.16428571428571428  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.018222284045068853  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03162346019488877  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9427298759147311

## gilroygarlicShooting2020

Information Type Precision (positive class, multi-type, macro): 0.09615384615384616  
Information Type Recall (positive class, multi-type, macro): 0.005721894071408634  
Information Type F1 (positive class, multi-type, macro): 0.010407147455524677  
Information Type Accuracy (overall, multi-type, macro): 0.9461538461538463  
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): 0.17857142857142858  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.010626374704044607  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.019327559560260114  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9009118541033434

## hurricaneBarry2020

Information Type Precision (positive class, multi-type, macro): 0.019230769230769232  
Information Type Recall (positive class, multi-type, macro): 0.010256410256410256

Information Type F1 (positive class, multi-type, macro): 0.013354700854700854  
Information Type Accuracy (overall, multi-type, macro): 0.9858947023126128  
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): 0.03571428571428571  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019047619047619046  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0248015873015873  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9808102345415779

## indonesiaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.01775147928994083  
Information Type Recall (positive class, multi-type, macro): 0.01282051282051282  
Information Type F1 (positive class, multi-type, macro): 0.01488833746898263  
Information Type Accuracy (overall, multi-type, macro): 0.8944353518821604  
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): 0.875886524822695  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03296703296703297  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.023809523809523808  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.027649769585253454  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9103343465045592

## keralaFloods2020

Information Type Precision (positive class, multi-type, macro): 0.15750915750915753  
Information Type Recall (positive class, multi-type, macro): 0.04840001394323361  
Information Type F1 (positive class, multi-type, macro): 0.06203929447260611  
Information Type Accuracy (overall, multi-type, macro): 0.8825496753885501  
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): 0.9931798806479114  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.29251700680272114  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.08988574018029098  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11521583259198277  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7877237851662404

## myanmarFloods2020

Information Type Precision (positive class, multi-type, macro): 0.06824457593688363  
Information Type Recall (positive class, multi-type, macro): 0.024752084074117976  
Information Type F1 (positive class, multi-type, macro): 0.03264652014652015  
Information Type Accuracy (overall, multi-type, macro): 0.943862520458265  
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): 0.9567375886524823  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.12673992673992673  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.04596815613764767  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.06062925170068027  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9328267477203648

## papuaNewguineaEarthquake2020

Information Type Precision (positive class, multi-type, macro): 0.10059171597633136  
Information Type Recall (positive class, multi-type, macro): 0.0018028268028268029  
Information Type F1 (positive class, multi-type, macro): 0.0033953159837176805  
Information Type Accuracy (overall, multi-type, macro): 0.8618138014111169  
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): 0.9422073079791201  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.18681318681318682  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0033481069195354907  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.006305586826904264  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7929050814956856

## siberianWildfires2020

Information Type Precision (positive class, multi-type, macro): 0.02564102564102564  
Information Type Recall (positive class, multi-type, macro): 0.0008791208791208791  
Information Type F1 (positive class, multi-type, macro): 0.0016999575010624734  
Information Type Accuracy (overall, multi-type, macro): 0.9365465757870821  
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): 0.9718706047819973  
Low Importance Information Type Precision (positive class, multi-type, macro): 0.047619047619047616  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0016326530612244899  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0031570639305445935  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9062688366485835

## typhoonKrosa2020

Information Type Precision (positive class, multi-type, macro): 0.00678007889546351  
Information Type Recall (positive class, multi-type, macro): 0.0923076923076923  
Information Type F1 (positive class, multi-type, macro): 0.01117216117216117  
Information Type Accuracy (overall, multi-type, macro): 0.9730934301749753  
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): 0.01259157509157509  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17142857142857143  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.020748299319727888  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9576946658491723

## typhoonLekima2020

Information Type Precision (positive class, multi-type, macro): 0.05545295041093361  
Information Type Recall (positive class, multi-type, macro): 0.04234143049932523  
Information Type F1 (positive class, multi-type, macro): 0.038374521406195614  
Information Type Accuracy (overall, multi-type, macro): 0.9478432015745448  
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): 0.10298405076316242  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.07863408521303258  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07126696832579185  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9195857447456595

## whaleyBridgeCollapse2020

Information Type Precision (positive class, multi-type, macro): 0.2173076923076923  
Information Type Recall (positive class, multi-type, macro): 0.025469912450634683  
Information Type F1 (positive class, multi-type, macro): 0.039146009186495016  
Information Type Accuracy (overall, multi-type, macro): 0.8575091575091576  
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): 0.18928571428571428  
Low Importance Information Type Recall (positive class, multi-type, macro): 0.027674496352980502  
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03763955342902712  
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8272108843537415

**sc-rf-021****Task 2**

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

Run: sc-rf-021 (sc-rf-021.2020A.task1.run)

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 EVALUATION: Information Type Categorization (Multi-type)  
 Per Information Type Performance  
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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	1.00	0.60	0.75	10
avg / total	1.00	1.00	1.00	12227

  

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

**sc-rf-021****Task 2**

CallToAction-MovePeople	0.14	0.02	0.03	115
avg / total	0.98	0.99	0.99	12227

Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	12190
Report-FirstPartyObservation	0.01	0.11	0.01	37
avg / total	0.99	0.95	0.97	12227

Report-Location				
	precision	recall	f1-score	support
Other Classes	0.72	0.99	0.83	8789
Report-Location	0.36	0.02	0.04	3438
avg / total	0.62	0.71	0.61	12227

Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	11422
Report-EmergingThreats	0.00	0.00	0.00	805
avg / total	0.87	0.92	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	0.96	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

**sc-rf-021****Task 2**

avg / total	0.69	0.77	0.72	12227
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## Report-ServiceAvailable

precision	recall	f1-score	support
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Other Classes	1.00	1.00	1.00	12188
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Report-ServiceAvailable	0.02	0.03	0.02	39
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avg / total	0.99	0.99	0.99	12227
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## Other-Advice

precision	recall	f1-score	support
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Other Classes	0.99	1.00	0.99	12087
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Other-Advice	0.00	0.00	0.00	140
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avg / total	0.98	0.99	0.98	12227
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## Other-Any

precision	recall	f1-score	support
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Other Classes	1.00	1.00	1.00	12227
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avg / total	1.00	1.00	1.00	12227
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