

TREC-IS 2018 Notebook Evaluator v1.0

Run: myrun1_fixed (myrun1.gz.fixed)

EVALUATOR: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.20768829623974952
> Information Type Recall (positive class, multi-type, macro): 0.08260995222247797
> Information Type F1 (positive class, multi-type, macro): 0.08093215323867786
> Information Type Accuracy (overall, multi-type, macro): 0.886548726243429

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.07280352360344595

EVALUATOR: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.18097952837522674
> Information Type Recall (any valid type, micro): 0.8880976602238047
> Information Type F1 (any valid type, micro): 0.30068454815516427
> Information Type Accuracy (any valid type, micro): 0.17898301657905377

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Run: myrun1_fixed (myrun1.gz.fixed)

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

albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.06001432814179279
Information Type Recall (positive class, multi-type, macro): 0.15187069379785167
Information Type F1 (positive class, multi-type, macro): 0.036223770410627736
Information Type Accuracy (overall, multi-type, macro): 0.8650415512465374

australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.07880538939474652
Information Type Recall (positive class, multi-type, macro): 0.16591896551637464
Information Type F1 (positive class, multi-type, macro): 0.06845851616762705
Information Type Accuracy (overall, multi-type, macro): 0.8610339734121121

bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.05606104679832716
Information Type Recall (positive class, multi-type, macro): 0.1937520908807489
Information Type F1 (positive class, multi-type, macro): 0.05610911644773914
Information Type Accuracy (overall, multi-type, macro): 0.858467289719626

chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.04359774681268143
Information Type Recall (positive class, multi-type, macro): 0.1313065354115395
Information Type F1 (positive class, multi-type, macro): 0.039731589735629465
Information Type Accuracy (overall, multi-type, macro): 0.8860450160771702

flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.05230647908951482
Information Type Recall (positive class, multi-type, macro): 0.1632033033743
Information Type F1 (positive class, multi-type, macro): 0.0573226156665383
Information Type Accuracy (overall, multi-type, macro): 0.8774239713774596

guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.06229489081164795
Information Type Recall (positive class, multi-type, macro): 0.1957466878643349
Information Type F1 (positive class, multi-type, macro): 0.07381968411523648
Information Type Accuracy (overall, multi-type, macro): 0.8558441558441559

italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.04180623973727422
Information Type Recall (positive class, multi-type, macro): 0.07591397849462365
Information Type F1 (positive class, multi-type, macro): 0.02889737935278732
Information Type Accuracy (overall, multi-type, macro): 0.9099029126213592

joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.07805555555555556
Information Type Recall (positive class, multi-type, macro): 0.05390243902439025
Information Type F1 (positive class, multi-type, macro): 0.05103296703296704
Information Type Accuracy (overall, multi-type, macro): 0.8495833333333333

manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.05578568971448227
Information Type Recall (positive class, multi-type, macro): 0.054304209722166374
Information Type F1 (positive class, multi-type, macro): 0.03534421822013698
Information Type Accuracy (overall, multi-type, macro): 0.91007299270073

nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.083854054298106
Information Type Recall (positive class, multi-type, macro): 0.15526512215137636
Information Type F1 (positive class, multi-type, macro): 0.06552302744169952

Information Type Accuracy (overall, multi-type, macro): 0.9030244664237378

parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.04588502449891467

Information Type Recall (positive class, multi-type, macro): 0.11821272375696784

Information Type F1 (positive class, multi-type, macro): 0.0486153223779459

Information Type Accuracy (overall, multi-type, macro): 0.8967279767666987

philipinnesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.07014092244167522

Information Type Recall (positive class, multi-type, macro): 0.1398767865343552

Information Type F1 (positive class, multi-type, macro): 0.054459019051633833

Information Type Accuracy (overall, multi-type, macro): 0.8837528604118993

queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.07429480495410258

Information Type Recall (positive class, multi-type, macro): 0.21851039816954604

Information Type F1 (positive class, multi-type, macro): 0.08600916815406212

Information Type Accuracy (overall, multi-type, macro): 0.8575035063113604

typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.07906217517322166

Information Type Recall (positive class, multi-type, macro): 0.15820777541427833

Information Type F1 (positive class, multi-type, macro): 0.05474198827580137

Information Type Accuracy (overall, multi-type, macro): 0.8713856427378965

typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.12521222125271875

Information Type Recall (positive class, multi-type, macro): 0.1574968481810587

Information Type F1 (positive class, multi-type, macro): 0.07248307176464122

Information Type Accuracy (overall, multi-type, macro): 0.8728368794326242

TREC-IS 2018 Notebook Evaluator v1.0

Run: myrun1_fixed (myrun1.gz.fixed)

 EVALUATION: Information Type Categorization (Multi-type)
 Per Information Type Performance

Request-GoodsServices	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19658
Request-GoodsServices	0.06	0.13	0.08	126
avg / total	0.99	0.98	0.98	19784
Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19498
Request-SearchAndRescue	0.09	0.05	0.06	286
avg / total	0.97	0.98	0.98	19784
Request-InformationWanted	precision	recall	f1-score	support
Other Classes	0.99	0.95	0.97	19612
Request-InformationWanted	0.01	0.07	0.02	172
avg / total	0.98	0.94	0.96	19784
CallToAction-Volunteer	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19668
CallToAction-Volunteer	0.13	0.02	0.03	116
avg / total	0.99	0.99	0.99	19784
CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	18980
CallToAction-Donations	0.61	0.30	0.41	804
avg / total	0.96	0.96	0.96	19784
CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19757
CallToAction-MovePeople	0.02	0.04	0.02	27
avg / total	1.00	1.00	1.00	19784
Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.81	0.99	0.89	15977

Report-FirstPartyObservation	0.24	0.01	0.02	3807
avg / total	0.70	0.80	0.72	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	0.99	0.88	15624
Report-ThirdPartyObservation	0.31	0.02	0.04	4160
avg / total	0.69	0.78	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	18459
Report-Weather	0.19	0.04	0.07	1325
avg / total	0.89	0.92	0.90	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	0.59	0.74	19098
Report-EmergingThreats	0.04	0.44	0.07	686
avg / total	0.94	0.59	0.71	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	0.99	0.98	19369
Report-SignificantEventChange	0.11	0.06	0.08	415
avg / total	0.96	0.97	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.82	0.83	0.83	15810
Report-MultimediaShare	0.30	0.28	0.29	3974
avg / total	0.72	0.72	0.72	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	1.00	0.97	18708
Report-ServiceAvailable	0.25	0.01	0.01	1076
avg / total	0.91	0.94	0.92	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.88	0.98	0.93	17401
Report-Factoid	0.25	0.06	0.10	2383

avg / total	0.81	0.87	0.83	19784
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Report-Official

	precision	recall	f1-score	support
Other Classes	0.98	0.98	0.98	19381
Report-Official	0.04	0.03	0.04	403
avg / total	0.96	0.96	0.96	19784

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19722
Report-CleanUp	0.00	0.00	0.00	62
avg / total	0.99	0.99	0.99	19784

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.83	1.00	0.91	16421
Report-Hashtags	0.00	0.00	0.00	3363
avg / total	0.69	0.83	0.75	19784

Other-PastNews

	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	18433
Other-PastNews	0.12	0.01	0.02	1351
avg / total	0.88	0.93	0.90	19784

Other-ContinuingNews

	precision	recall	f1-score	support
Other Classes	0.76	0.99	0.86	14913
Other-ContinuingNews	0.47	0.02	0.03	4871
avg / total	0.69	0.75	0.66	19784

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	0.92	0.93	18575
Other-Advice	0.11	0.16	0.13	1209
avg / total	0.89	0.87	0.88	19784

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.67	0.99	0.80	12832
Other-Sentiment	0.87	0.11	0.19	6952
avg / total	0.74	0.68	0.59	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.91	0.98	0.95	17724
Other-Discussion	0.54	0.18	0.27	2060
avg / total	0.87	0.90	0.88	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.87	0.98	0.92	17179
Other-Irrelevant	0.12	0.02	0.03	2605
avg / total	0.77	0.85	0.80	19784

Other-Unknown	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19707
Other-Unknown	0.00	0.00	0.00	77
avg / total	0.99	0.99	0.99	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	18683
Other-KnownAlready	0.30	0.01	0.01	1101
avg / total	0.91	0.94	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0

Run: myrun2_fixed (myrun2.gz.fixed)

EVALUATOR: Information Type Categorization (Multi-type)
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.2075824246269
699
> Information Type Recall (positive class, multi-type, macro): 0.08291076799031086
> Information Type F1 (positive class, multi-type, macro): 0.08697353382139802
> Information Type Accuracy (overall, multi-type, macro): 0.8881176708451275

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.07933663829487275

EVALUATOR: Information Type Categorization (Any-type)
Overall Performance (Micro Average)

> Information Type Precision (any valid type, micro): 0.20755827643042146
> Information Type Recall (any valid type, micro): 0.5957087345835446
> Information Type F1 (any valid type, micro): 0.3078534945649801
> Information Type Accuracy (any valid type, micro): 0.19859482410028306

TREC-IS 2018 Notebook Evaluator v1.0

Run: myrun2_fixed (myrun2.gz.fixed)

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

albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.07351715300054985
Information Type Recall (positive class, multi-type, macro): 0.15239399587705402
Information Type F1 (positive class, multi-type, macro): 0.037540498506990504
Information Type Accuracy (overall, multi-type, macro): 0.8652631578947367

australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.07833790285829446
Information Type Recall (positive class, multi-type, macro): 0.1653989914954225
Information Type F1 (positive class, multi-type, macro): 0.07099494880324457
Information Type Accuracy (overall, multi-type, macro): 0.8612703101920234

bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.058749104712924376
Information Type Recall (positive class, multi-type, macro): 0.18183901965220514
Information Type F1 (positive class, multi-type, macro): 0.06509743420238828
Information Type Accuracy (overall, multi-type, macro): 0.8620560747663549

chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.05067466988960451
Information Type Recall (positive class, multi-type, macro): 0.1399722006522752
Information Type F1 (positive class, multi-type, macro): 0.04996726670149074
Information Type Accuracy (overall, multi-type, macro): 0.887845659163987

flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.05426385240749951
Information Type Recall (positive class, multi-type, macro): 0.17159493929190903
Information Type F1 (positive class, multi-type, macro): 0.06317490690412017
Information Type Accuracy (overall, multi-type, macro): 0.878354203935599

guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.06326817325439606
Information Type Recall (positive class, multi-type, macro): 0.2020772200772201
Information Type F1 (positive class, multi-type, macro): 0.07543432105062814
Information Type Accuracy (overall, multi-type, macro): 0.8537662337662337

italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.04708925860519875
Information Type Recall (positive class, multi-type, macro): 0.09833822091886608
Information Type F1 (positive class, multi-type, macro): 0.033801225506633475
Information Type Accuracy (overall, multi-type, macro): 0.9153398058252429

joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.07406676994405188
Information Type Recall (positive class, multi-type, macro): 0.14793650793650795
Information Type F1 (positive class, multi-type, macro): 0.06965169445352512
Information Type Accuracy (overall, multi-type, macro): 0.85875

manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.04920531644536729
Information Type Recall (positive class, multi-type, macro): 0.0656597668543061
Information Type F1 (positive class, multi-type, macro): 0.047375622921841415
Information Type Accuracy (overall, multi-type, macro): 0.9236982968369831

nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.08631071030660499
Information Type Recall (positive class, multi-type, macro): 0.1562184757838868
Information Type F1 (positive class, multi-type, macro): 0.06902466804489184

Information Type Accuracy (overall, multi-type, macro): 0.9041905257678294

parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.050138564157809144

Information Type Recall (positive class, multi-type, macro): 0.13568548293724936

Information Type F1 (positive class, multi-type, macro): 0.05477113644244248

Information Type Accuracy (overall, multi-type, macro): 0.8980058083252662

philipinnesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.06347425577500855

Information Type Recall (positive class, multi-type, macro): 0.13823477248086552

Information Type F1 (positive class, multi-type, macro): 0.050937325929940706

Information Type Accuracy (overall, multi-type, macro): 0.8813729977116703

queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.07990907807510216

Information Type Recall (positive class, multi-type, macro): 0.23405927795776063

Information Type F1 (positive class, multi-type, macro): 0.10084275805962215

Information Type Accuracy (overall, multi-type, macro): 0.865806451612903

typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.07915262265811285

Information Type Recall (positive class, multi-type, macro): 0.15881412744439244

Information Type F1 (positive class, multi-type, macro): 0.05891904893408664

Information Type Accuracy (overall, multi-type, macro): 0.8722251371333175

typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.12459997635475957

Information Type Recall (positive class, multi-type, macro): 0.16490344158765213

Information Type F1 (positive class, multi-type, macro): 0.07867505551666215

Information Type Accuracy (overall, multi-type, macro): 0.8736879432624113

TREC-IS 2018 Notebook Evaluator v1.0

Run: myrun2_fixed (myrun2.gz.fixed)

 EVALUATION: Information Type Categorization (Multi-type)
 Per Information Type Performance

Request-GoodsServices	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19658
Request-GoodsServices	0.06	0.13	0.08	126
avg / total	0.99	0.98	0.98	19784
Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19498
Request-SearchAndRescue	0.09	0.05	0.06	286
avg / total	0.97	0.98	0.98	19784
Request-InformationWanted	precision	recall	f1-score	support
Other Classes	0.99	0.95	0.97	19612
Request-InformationWanted	0.01	0.07	0.02	172
avg / total	0.98	0.94	0.96	19784
CallToAction-Volunteer	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19668
CallToAction-Volunteer	0.12	0.02	0.03	116
avg / total	0.99	0.99	0.99	19784
CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	18980
CallToAction-Donations	0.61	0.30	0.41	804
avg / total	0.96	0.96	0.96	19784
CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19757
CallToAction-MovePeople	0.02	0.04	0.02	27
avg / total	1.00	1.00	1.00	19784
Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.81	0.99	0.89	15977

Report-FirstPartyObservation	0.24	0.01	0.01	3807
avg / total	0.70	0.80	0.72	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	0.99	0.88	15624
Report-ThirdPartyObservation	0.32	0.02	0.04	4160
avg / total	0.69	0.78	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	18459
Report-Weather	0.19	0.04	0.07	1325
avg / total	0.89	0.92	0.90	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	0.72	0.83	19098
Report-EmergingThreats	0.04	0.29	0.06	686
avg / total	0.93	0.71	0.80	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	0.99	0.98	19369
Report-SignificantEventChange	0.10	0.06	0.08	415
avg / total	0.96	0.97	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.82	0.83	0.83	15810
Report-MultimediaShare	0.30	0.28	0.29	3974
avg / total	0.72	0.72	0.72	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	1.00	0.97	18708
Report-ServiceAvailable	0.27	0.01	0.02	1076
avg / total	0.91	0.94	0.92	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.88	0.97	0.93	17401
Report-Factoid	0.26	0.06	0.10	2383

avg / total	0.81	0.86	0.83	19784
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Report-Official

	precision	recall	f1-score	support
Other Classes	0.98	0.98	0.98	19381
Report-Official	0.04	0.03	0.04	403
avg / total	0.96	0.96	0.96	19784

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19722
Report-CleanUp	0.00	0.00	0.00	62
avg / total	0.99	0.99	0.99	19784

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.83	1.00	0.91	16421
Report-Hashtags	0.00	0.00	0.00	3363
avg / total	0.69	0.83	0.75	19784

Other-PastNews

	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	18433
Other-PastNews	0.12	0.01	0.02	1351
avg / total	0.88	0.93	0.90	19784

Other-ContinuingNews

	precision	recall	f1-score	support
Other Classes	0.76	0.99	0.86	14913
Other-ContinuingNews	0.45	0.02	0.04	4871
avg / total	0.68	0.75	0.66	19784

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	0.92	0.93	18575
Other-Advice	0.11	0.16	0.13	1209
avg / total	0.89	0.87	0.88	19784

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.68	0.99	0.80	12832
Other-Sentiment	0.86	0.12	0.21	6952
avg / total	0.74	0.68	0.60	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.91	0.98	0.95	17724
Other-Discussion	0.53	0.19	0.28	2060
avg / total	0.87	0.90	0.88	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.87	0.86	0.87	17179
Other-Irrelevant	0.15	0.15	0.15	2605
avg / total	0.78	0.77	0.77	19784

Other-Unknown	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19707
Other-Unknown	0.00	0.00	0.00	77
avg / total	0.99	0.99	0.99	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	18683
Other-KnownAlready	0.30	0.01	0.01	1101
avg / total	0.91	0.94	0.92	19784