

TREC-IS 2018 Notebook Evaluator v1.0  
Run: DLR\_Augmented (DLR\_Augmented.gz)

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EVALUATOR: Information Type Categorization (Multi-type)  
Overall performance  
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> Information Type Precision (positive class, multi-type, macro): 0.2580225539984  
6397  
> Information Type Recall (positive class, multi-type, macro): 0.16564612379162266  
> Information Type F1 (positive class, multi-type, macro): 0.15706590841444573  
> Information Type Accuracy (overall, multi-type, macro): 0.8995855236554793

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EVALUATOR: Information Priority Level  
Overall Performance  
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> Priority Estimation Error (mean squared error, macro): 0.15984659895604864

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EVALUATOR: Information Type Categorization (Any-type)  
Overall Performance (Micro Average)  
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> Information Type Precision (any valid type, micro): 0.3964605237380004  
> Information Type Recall (any valid type, micro): 0.6164703493095045  
> Information Type F1 (any valid type, micro): 0.48257223480783756  
> Information Type Accuracy (any valid type, micro): 0.34194298422968056

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EVALUATOR: Information Type Categorization (Multi-type)  
Per Event Performance  
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## albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.07618024665458929  
Information Type Recall (positive class, multi-type, macro): 0.18440371303329386  
Information Type F1 (positive class, multi-type, macro): 0.06699761068097833  
Information Type Accuracy (overall, multi-type, macro): 0.876786703601108

## australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.11200050567237815  
Information Type Recall (positive class, multi-type, macro): 0.22528910220878323  
Information Type F1 (positive class, multi-type, macro): 0.11305542375902787  
Information Type Accuracy (overall, multi-type, macro): 0.8826587887740033

## bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.09527833791054677  
Information Type Recall (positive class, multi-type, macro): 0.2009498929508004  
Information Type F1 (positive class, multi-type, macro): 0.10888516727296238  
Information Type Accuracy (overall, multi-type, macro): 0.8825420560747662

## chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.08520361501833751  
Information Type Recall (positive class, multi-type, macro): 0.15214676511228237  
Information Type F1 (positive class, multi-type, macro): 0.0582778453549734  
Information Type Accuracy (overall, multi-type, macro): 0.8845016077170418

## flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.05336407909948864  
Information Type Recall (positive class, multi-type, macro): 0.19989538335163615  
Information Type F1 (positive class, multi-type, macro): 0.05132623506294567  
Information Type Accuracy (overall, multi-type, macro): 0.861896243291592

## guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.1005958121466143  
Information Type Recall (positive class, multi-type, macro): 0.23298831985624438  
Information Type F1 (positive class, multi-type, macro): 0.12435025012410739  
Information Type Accuracy (overall, multi-type, macro): 0.8859740259740261

## italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.08554202683025064  
Information Type Recall (positive class, multi-type, macro): 0.10042986425339366  
Information Type F1 (positive class, multi-type, macro): 0.08094660894660893  
Information Type Accuracy (overall, multi-type, macro): 0.9370873786407767

## joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.07538550918317652  
Information Type Recall (positive class, multi-type, macro): 0.2740750360750361  
Information Type F1 (positive class, multi-type, macro): 0.09659616166427312  
Information Type Accuracy (overall, multi-type, macro): 0.8770833333333333

## manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.15002800170924718  
Information Type Recall (positive class, multi-type, macro): 0.1765882615304729  
Information Type F1 (positive class, multi-type, macro): 0.12492433958258264  
Information Type Accuracy (overall, multi-type, macro): 0.9213625304136254

## nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.13433122251621313  
Information Type Recall (positive class, multi-type, macro): 0.1781592398323618  
Information Type F1 (positive class, multi-type, macro): 0.11799791459886727

Information Type Accuracy (overall, multi-type, macro): 0.9170900572618426

## parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.07289205353066398

Information Type Recall (positive class, multi-type, macro): 0.1372230506926955

Information Type F1 (positive class, multi-type, macro): 0.0798935899775206

Information Type Accuracy (overall, multi-type, macro): 0.9082284607938047

## philipinnesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.10463956653320913

Information Type Recall (positive class, multi-type, macro): 0.25323242546926755

Information Type F1 (positive class, multi-type, macro): 0.10996205460212495

Information Type Accuracy (overall, multi-type, macro): 0.9013272311212813

## queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.16542916789791037

Information Type Recall (positive class, multi-type, macro): 0.257576678599367

Information Type F1 (positive class, multi-type, macro): 0.11930508299997675

Information Type Accuracy (overall, multi-type, macro): 0.8681626928471247

## typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.16914631628694532

Information Type Recall (positive class, multi-type, macro): 0.2818909433502236

Information Type F1 (positive class, multi-type, macro): 0.1597860603809288

Information Type Accuracy (overall, multi-type, macro): 0.8881755306463154

## typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.1224839478914356

Information Type Recall (positive class, multi-type, macro): 0.28494624842639815

Information Type F1 (positive class, multi-type, macro): 0.13592999074581513

Information Type Accuracy (overall, multi-type, macro): 0.8861702127659576

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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	0.99	0.99	0.99	19658
Request-GoodsServices	0.07	0.16	0.10	126
avg / total	0.99	0.98	0.99	19784

## Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19498
Request-SearchAndRescue	0.57	0.32	0.41	286
avg / total	0.98	0.99	0.98	19784

## Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	0.99	0.95	0.97	19612
Request-InformationWanted	0.03	0.19	0.05	172
avg / total	0.98	0.94	0.96	19784

## CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19668
CallToAction-Volunteer	0.20	0.36	0.25	116
avg / total	0.99	0.99	0.99	19784

## CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.98	0.97	0.98	18980
CallToAction-Donations	0.43	0.51	0.47	804
avg / total	0.96	0.95	0.95	19784

## CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	19757
CallToAction-MovePeople	0.01	0.22	0.03	27
avg / total	1.00	0.98	0.99	19784

## Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.81	0.97	0.88	15977

Report-FirstPartyObservation	0.24	0.04	0.06	3807
avg / total	0.70	0.79	0.73	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	0.98	0.88	15624
Report-ThirdPartyObservation	0.32	0.03	0.06	4160
avg / total	0.69	0.78	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	18459
Report-Weather	0.41	0.16	0.23	1325
avg / total	0.91	0.93	0.91	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	19098
Report-EmergingThreats	0.08	0.02	0.03	686
avg / total	0.93	0.96	0.95	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	19369
Report-SignificantEventChange	0.09	0.02	0.04	415
avg / total	0.96	0.97	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.81	0.94	0.87	15810
Report-MultimediaShare	0.39	0.15	0.21	3974
avg / total	0.73	0.78	0.74	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.97	18708
Report-ServiceAvailable	0.31	0.16	0.21	1076
avg / total	0.92	0.93	0.92	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.89	0.98	0.93	17401
Report-Factoid	0.47	0.11	0.18	2383

avg / total	0.84	0.88	0.84	19784
Report-Official				
	precision	recall	f1-score	support
Other Classes	0.98	0.98	0.98	19381
Report-Official	0.08	0.07	0.07	403
avg / total	0.96	0.96	0.96	19784
Report-CleanUp				
	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	19722
Report-CleanUp	0.08	0.50	0.14	62
avg / total	1.00	0.98	0.99	19784
Report-Hashtags				
	precision	recall	f1-score	support
Other Classes	0.83	0.99	0.90	16421
Report-Hashtags	0.18	0.01	0.02	3363
avg / total	0.72	0.82	0.75	19784
Other-PastNews				
	precision	recall	f1-score	support
Other Classes	0.93	0.99	0.96	18433
Other-PastNews	0.24	0.02	0.04	1351
avg / total	0.89	0.93	0.90	19784
Other-ContinuingNews				
	precision	recall	f1-score	support
Other Classes	0.79	0.88	0.83	14913
Other-ContinuingNews	0.44	0.29	0.35	4871
avg / total	0.70	0.73	0.71	19784
Other-Advice				
	precision	recall	f1-score	support
Other Classes	0.94	0.99	0.96	18575
Other-Advice	0.25	0.06	0.10	1209
avg / total	0.90	0.93	0.91	19784
Other-Sentiment				
	precision	recall	f1-score	support
Other Classes	0.72	0.97	0.83	12832
Other-Sentiment	0.84	0.31	0.45	6952
avg / total	0.76	0.74	0.70	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.90	0.98	0.94	17724
Other-Discussion	0.29	0.05	0.09	2060
avg / total	0.84	0.89	0.85	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.88	0.82	0.85	17179
Other-Irrelevant	0.18	0.27	0.22	2605
avg / total	0.79	0.75	0.77	19784

Other-Unknown	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	19707
Other-Unknown	0.00	0.04	0.01	77
avg / total	0.99	0.96	0.98	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	18683
Other-KnownAlready	0.24	0.07	0.11	1101
avg / total	0.91	0.94	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0  
Run: DLR\_Baseline (DLR\_Baseline.gz)

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

> Information Type Precision (positive class, multi-type, macro): 0.1501952721787  
049  
> Information Type Recall (positive class, multi-type, macro): 0.07095469035677389  
> Information Type F1 (positive class, multi-type, macro): 0.07431818531668742  
> Information Type Accuracy (overall, multi-type, macro): 0.903277395875455

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EVALUATON: Information Priority Level  
Overall Performance  
-----

> Priority Estimation Error (mean squared error, macro): 0.1493459244379737

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EVALUATON: Information Type Categorization (Any-type)  
Overall Performance (Micro Average)  
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> Information Type Precision (any valid type, micro): 0.4812711194190812  
> Information Type Recall (any valid type, micro): 0.5778161415623652  
> Information Type F1 (any valid type, micro): 0.5251431709421825  
> Information Type Accuracy (any valid type, micro): 0.3880913869793773



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Run: DLR\_Baseline (DLR\_Baseline.gz)

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EVALUATOR: Information Type Categorization (Multi-type)Per Event Performance  
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## albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.0911933146221906

Information Type Recall (positive class, multi-type, macro): 0.08967183669337409

Information Type F1 (positive class, multi-type, macro): 0.05912754418102253

Information Type Accuracy (overall, multi-type, macro): 0.8862049861495843

## australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.06610814356738244

Information Type Recall (positive class, multi-type, macro): 0.13508543736560033

Information Type F1 (positive class, multi-type, macro): 0.07301374940191367

Information Type Accuracy (overall, multi-type, macro): 0.894002954209749

## bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.09138672718770464

Information Type Recall (positive class, multi-type, macro): 0.11248976855798583

Information Type F1 (positive class, multi-type, macro): 0.0759232304769139

Information Type Accuracy (overall, multi-type, macro): 0.8826915887850467

## chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.1100730377798142

Information Type Recall (positive class, multi-type, macro): 0.12093606185903152

Information Type F1 (positive class, multi-type, macro): 0.0704632899465021

Information Type Accuracy (overall, multi-type, macro): 0.8965916398713826

## flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.05997406851350028

Information Type Recall (positive class, multi-type, macro): 0.08651782536598399

Information Type F1 (positive class, multi-type, macro): 0.038121833588980046

Information Type Accuracy (overall, multi-type, macro): 0.858318425760286

## guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.08238346757063335

Information Type Recall (positive class, multi-type, macro): 0.16584239804605935

Information Type F1 (positive class, multi-type, macro): 0.10382536831566727

Information Type Accuracy (overall, multi-type, macro): 0.8792207792207795

## italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.07263562288936393

Information Type Recall (positive class, multi-type, macro): 0.08057158990078245

Information Type F1 (positive class, multi-type, macro): 0.060956937799043064

Information Type Accuracy (overall, multi-type, macro): 0.933980582524272

## joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.08306283945939118

Information Type Recall (positive class, multi-type, macro): 0.13785004516711835

Information Type F1 (positive class, multi-type, macro): 0.08446397945297375

Information Type Accuracy (overall, multi-type, macro): 0.8904166666666667

## manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.04820893873176898

Information Type Recall (positive class, multi-type, macro): 0.045486460717009916

Information Type F1 (positive class, multi-type, macro): 0.04135555035289951

Information Type Accuracy (overall, multi-type, macro): 0.9151338199513382

## nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.06865983038259527

Information Type Recall (positive class, multi-type, macro): 0.12405208119080054

Information Type F1 (positive class, multi-type, macro): 0.06666751199323816

Information Type Accuracy (overall, multi-type, macro): 0.9189432587194171

## parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.08870060504018953

Information Type Recall (positive class, multi-type, macro): 0.07783228708151167

Information Type F1 (positive class, multi-type, macro): 0.06883786837113101

Information Type Accuracy (overall, multi-type, macro): 0.914811229428848

## philipponesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.09083942414174973

Information Type Recall (positive class, multi-type, macro): 0.07495885127977421

Information Type F1 (positive class, multi-type, macro): 0.04317882722922328

Information Type Accuracy (overall, multi-type, macro): 0.8839359267734553

## queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.07393537755859518

Information Type Recall (positive class, multi-type, macro): 0.1732986774781152

Information Type F1 (positive class, multi-type, macro): 0.0888661506009773

Information Type Accuracy (overall, multi-type, macro): 0.8911640953716691

## typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.0770199472243037

Information Type Recall (positive class, multi-type, macro): 0.1464945151586228

Information Type F1 (positive class, multi-type, macro): 0.07179042550148361

Information Type Accuracy (overall, multi-type, macro): 0.8930789410922968

## typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.06328207168154044

Information Type Recall (positive class, multi-type, macro): 0.10191603039324662

Information Type F1 (positive class, multi-type, macro): 0.07632543016205662

Information Type Accuracy (overall, multi-type, macro): 0.8935460992907801

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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	0.99	1.00	1.00	19658
Request-GoodsServices	0.00	0.00	0.00	126
avg / total	0.99	0.99	0.99	19784
Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19498
Request-SearchAndRescue	0.00	0.00	0.00	286
avg / total	0.97	0.99	0.98	19784
Request-InformationWanted	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19612
Request-InformationWanted	0.00	0.00	0.00	172
avg / total	0.98	0.99	0.99	19784
CallToAction-Volunteer	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	19668
CallToAction-Volunteer	0.00	0.00	0.00	116
avg / total	0.99	0.99	0.99	19784
CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	18980
CallToAction-Donations	0.29	0.00	0.00	804
avg / total	0.93	0.96	0.94	19784
CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	19757
CallToAction-MovePeople	0.00	0.00	0.00	27
avg / total	1.00	1.00	1.00	19784
Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.81	1.00	0.89	15977

Report-FirstPartyObservation	0.00	0.00	0.00	3807
avg / total	0.65	0.81	0.72	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	1.00	0.88	15624
Report-ThirdPartyObservation	0.00	0.00	0.00	4160
avg / total	0.62	0.79	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.93	1.00	0.97	18459
Report-Weather	0.40	0.01	0.03	1325
avg / total	0.90	0.93	0.90	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	19098
Report-EmergingThreats	0.00	0.00	0.00	686
avg / total	0.93	0.96	0.95	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	19369
Report-SignificantEventChange	0.00	0.00	0.00	415
avg / total	0.96	0.98	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.81	0.96	0.88	15810
Report-MultimediaShare	0.41	0.10	0.17	3974
avg / total	0.73	0.79	0.74	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	1.00	0.97	18708
Report-ServiceAvailable	0.00	0.00	0.00	1076
avg / total	0.89	0.95	0.92	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.89	0.93	0.91	17401
Report-Factoid	0.28	0.20	0.23	2383

avg / total	0.82	0.84	0.83	19784
Report-Official				
	precision	recall	f1-score	support
Other Classes	0.98	0.99	0.99	19381
Report-Official	0.06	0.02	0.03	403
avg / total	0.96	0.97	0.97	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	1.00	1.00	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	1.00	0.96	18433
Other-PastNews	0.00	0.00	0.00	1351
avg / total	0.87	0.93	0.90	19784
Other-ContinuingNews				
	precision	recall	f1-score	support
Other Classes	0.83	0.79	0.81	14913
Other-ContinuingNews	0.44	0.51	0.47	4871
avg / total	0.73	0.72	0.72	19784
Other-Advice				
	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	18575
Other-Advice	0.48	0.01	0.02	1209
avg / total	0.91	0.94	0.91	19784
Other-Sentiment				
	precision	recall	f1-score	support
Other Classes	0.75	0.86	0.80	12832
Other-Sentiment	0.65	0.46	0.54	6952
avg / total	0.71	0.72	0.71	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.90	0.99	0.94	17724
Other-Discussion	0.30	0.02	0.04	2060
avg / total	0.83	0.89	0.85	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.88	0.72	0.79	17179
Other-Irrelevant	0.17	0.38	0.23	2605
avg / total	0.79	0.67	0.72	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	1.00	0.99	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	18683
Other-KnownAlready	0.30	0.05	0.09	1101
avg / total	0.91	0.94	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0  
Run: DLR\_Fusion (DLR\_Fusion.gz)

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

-----  
> Information Type Precision (positive class, multi-type, macro): 0.2495493756453  
3897  
> Information Type Recall (positive class, multi-type, macro): 0.16636269673968354  
> Information Type F1 (positive class, multi-type, macro): 0.15622219460031658  
> Information Type Accuracy (overall, multi-type, macro): 0.8996259603720178

-----  
EVALUATON: Information Priority Level  
Overall Performance

-----  
> Priority Estimation Error (mean squared error, macro): 0.1593736380338864

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

-----  
> Information Type Precision (any valid type, micro): 0.3810923340680872  
> Information Type Recall (any valid type, micro): 0.682082191780822  
> Information Type F1 (any valid type, micro): 0.4889814196488195  
> Information Type Accuracy (any valid type, micro): 0.34244844318641326

TREC-IS 2018 Notebook Evaluator v1.0

Run: DLR\_Fusion (DLR\_Fusion.gz)

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

## albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.08256783214151275

Information Type Recall (positive class, multi-type, macro): 0.17420120201272127

Information Type F1 (positive class, multi-type, macro): 0.06312503803529086

Information Type Accuracy (overall, multi-type, macro): 0.8763434903047091

## australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.13464089153299416

Information Type Recall (positive class, multi-type, macro): 0.2240943237923921

Information Type F1 (positive class, multi-type, macro): 0.12212622639063216

Information Type Accuracy (overall, multi-type, macro): 0.8776957163958641

## bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.08575433606577061

Information Type Recall (positive class, multi-type, macro): 0.22289682384155657

Information Type F1 (positive class, multi-type, macro): 0.0973446209117525

Information Type Accuracy (overall, multi-type, macro): 0.8801495327102805

## chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.09290373840825705

Information Type Recall (positive class, multi-type, macro): 0.18385908669638945

Information Type F1 (positive class, multi-type, macro): 0.061057284627052885

Information Type Accuracy (overall, multi-type, macro): 0.8845016077170417

## flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.08886052521365068

Information Type Recall (positive class, multi-type, macro): 0.17834675624461013

Information Type F1 (positive class, multi-type, macro): 0.057571770089830776

Information Type Accuracy (overall, multi-type, macro): 0.8624686940966009

## guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.11054015731823219

Information Type Recall (positive class, multi-type, macro): 0.26805555555555555

Information Type F1 (positive class, multi-type, macro): 0.1410182008458617

Information Type Accuracy (overall, multi-type, macro): 0.8854545454545457

## italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.1233763980543421

Information Type Recall (positive class, multi-type, macro): 0.09705050505050504

Information Type F1 (positive class, multi-type, macro): 0.08265735758604092

Information Type Accuracy (overall, multi-type, macro): 0.9347572815533982

## joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.11861188389028147

Information Type Recall (positive class, multi-type, macro): 0.263044733044733

Information Type F1 (positive class, multi-type, macro): 0.1299148342030242

Information Type Accuracy (overall, multi-type, macro): 0.8770833333333335

## manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.12510805359517405

Information Type Recall (positive class, multi-type, macro): 0.26442285778483954

Information Type F1 (positive class, multi-type, macro): 0.12892440630656676

Information Type Accuracy (overall, multi-type, macro): 0.9211678832116789

## nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.12931819205919753

Information Type Recall (positive class, multi-type, macro): 0.17645043417209244

Information Type F1 (positive class, multi-type, macro): 0.11896633640255008



Information Type Accuracy (overall, multi-type, macro): 0.9180062467464861

## parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.06939929600771906

Information Type Recall (positive class, multi-type, macro): 0.1290028703424818

Information Type F1 (positive class, multi-type, macro): 0.07797886817773651

Information Type Accuracy (overall, multi-type, macro): 0.9090416263310748

## philipinnesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.10718075745807183

Information Type Recall (positive class, multi-type, macro): 0.23779173415595653

Information Type F1 (positive class, multi-type, macro): 0.1129140456767101

Information Type Accuracy (overall, multi-type, macro): 0.9009610983981696

## queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.13928873126339197

Information Type Recall (positive class, multi-type, macro): 0.2500861261573336

Information Type F1 (positive class, multi-type, macro): 0.10251847999481459

Information Type Accuracy (overall, multi-type, macro): 0.863338008415147

## typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.2097637527858775

Information Type Recall (positive class, multi-type, macro): 0.27762799117298037

Information Type F1 (positive class, multi-type, macro): 0.16573527835956514

Information Type Accuracy (overall, multi-type, macro): 0.8883854042451703

## typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.14428956899105924

Information Type Recall (positive class, multi-type, macro): 0.22762338960551878

Information Type F1 (positive class, multi-type, macro): 0.12617653426464961

Information Type Accuracy (overall, multi-type, macro): 0.8853191489361703

TREC-IS 2018 Notebook Evaluator v1.0

Run: DLR\_Fusion (DLR\_Fusion.gz)

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

## Request-GoodsServices

	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	19658
Request-GoodsServices	0.09	0.25	0.13	126
avg / total	0.99	0.98	0.98	19784

## Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	19498
Request-SearchAndRescue	0.54	0.31	0.40	286
avg / total	0.98	0.99	0.98	19784

## Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	0.99	0.94	0.96	19612
Request-InformationWanted	0.03	0.23	0.05	172
avg / total	0.98	0.93	0.96	19784

## CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19668
CallToAction-Volunteer	0.14	0.39	0.21	116
avg / total	0.99	0.98	0.99	19784

## CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.98	0.98	0.98	18980
CallToAction-Donations	0.49	0.42	0.45	804
avg / total	0.96	0.96	0.96	19784

## CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.99	19757
CallToAction-MovePeople	0.01	0.15	0.01	27
avg / total	1.00	0.97	0.98	19784

## Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.81	0.96	0.88	15977

Report-FirstPartyObservation	0.23	0.05	0.08	3807
avg / total	0.70	0.79	0.73	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	0.98	0.88	15624
Report-ThirdPartyObservation	0.30	0.03	0.06	4160
avg / total	0.69	0.78	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	18459
Report-Weather	0.46	0.19	0.27	1325
avg / total	0.91	0.93	0.92	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	19098
Report-EmergingThreats	0.13	0.05	0.07	686
avg / total	0.94	0.96	0.95	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	19369
Report-SignificantEventChange	0.05	0.01	0.02	415
avg / total	0.96	0.98	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.81	0.93	0.87	15810
Report-MultimediaShare	0.36	0.16	0.22	3974
avg / total	0.72	0.77	0.74	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.96	18708
Report-ServiceAvailable	0.29	0.17	0.21	1076
avg / total	0.92	0.93	0.92	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.89	0.98	0.93	17401
Report-Factoid	0.48	0.14	0.22	2383

avg / total	0.84	0.88	0.85	19784
Report-Official				
	precision	recall	f1-score	support
Other Classes	0.98	0.97	0.98	19381
Report-Official	0.07	0.09	0.08	403
avg / total	0.96	0.96	0.96	19784
Report-CleanUp				
	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.98	19722
Report-CleanUp	0.06	0.53	0.10	62
avg / total	1.00	0.97	0.98	19784
Report-Hashtags				
	precision	recall	f1-score	support
Other Classes	0.83	0.99	0.90	16421
Report-Hashtags	0.18	0.01	0.02	3363
avg / total	0.72	0.82	0.75	19784
Other-PastNews				
	precision	recall	f1-score	support
Other Classes	0.93	1.00	0.96	18433
Other-PastNews	0.16	0.01	0.02	1351
avg / total	0.88	0.93	0.90	19784
Other-ContinuingNews				
	precision	recall	f1-score	support
Other Classes	0.78	0.92	0.85	14913
Other-ContinuingNews	0.47	0.22	0.30	4871
avg / total	0.71	0.75	0.71	19784
Other-Advice				
	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	18575
Other-Advice	0.18	0.06	0.09	1209
avg / total	0.89	0.93	0.91	19784
Other-Sentiment				
	precision	recall	f1-score	support
Other Classes	0.73	0.96	0.83	12832
Other-Sentiment	0.83	0.36	0.50	6952
avg / total	0.77	0.75	0.71	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.90	0.98	0.94	17724
Other-Discussion	0.30	0.06	0.11	2060
avg / total	0.84	0.89	0.85	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.88	0.86	0.87	17179
Other-Irrelevant	0.19	0.21	0.20	2605
avg / total	0.79	0.78	0.78	19784

Other-Unknown	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.98	19707
Other-Unknown	0.00	0.00	0.00	77
avg / total	0.99	0.97	0.98	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.97	18683
Other-KnownAlready	0.21	0.07	0.10	1101
avg / total	0.91	0.93	0.92	19784

TREC-IS 2018 Notebook Evaluator v1.0  
Run: DLR\_Simple\_CNN (DLR\_Simple\_CNN.gz)

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

-----  
> Information Type Precision (positive class, multi-type, macro): 0.2446207986515  
5467  
> Information Type Recall (positive class, multi-type, macro): 0.16757598585329117  
> Information Type F1 (positive class, multi-type, macro): 0.15948640703617833  
> Information Type Accuracy (overall, multi-type, macro): 0.9035847149211484

-----  
EVALUATOR: Information Priority Level  
Overall Performance

-----  
> Priority Estimation Error (mean squared error, macro): 0.16397548407270557

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

-----  
> Information Type Precision (any valid type, micro): 0.4219905654883233  
> Information Type Recall (any valid type, micro): 0.7748903860549674  
> Information Type F1 (any valid type, micro): 0.5464142975642862  
> Information Type Accuracy (any valid type, micro): 0.3919328750505459

TREC-IS 2018 Notebook Evaluator v1.0  
Run: DLR\_Simple\_CNN (DLR\_Simple\_CNN.gz)

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

## albertaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.1095295458874508  
Information Type Recall (positive class, multi-type, macro): 0.1961904062768257  
Information Type F1 (positive class, multi-type, macro): 0.09553843603935894  
Information Type Accuracy (overall, multi-type, macro): 0.8845429362880887

## australiaBushfire2013

Information Type Precision (positive class, multi-type, macro): 0.10747061187908702  
Information Type Recall (positive class, multi-type, macro): 0.21850623267725466  
Information Type F1 (positive class, multi-type, macro): 0.123031497641235  
Information Type Accuracy (overall, multi-type, macro): 0.8885672082717874

## bostonBombings2013

Information Type Precision (positive class, multi-type, macro): 0.10821936537453779  
Information Type Recall (positive class, multi-type, macro): 0.14520389481868948  
Information Type F1 (positive class, multi-type, macro): 0.1158376949310565  
Information Type Accuracy (overall, multi-type, macro): 0.8882242990654204

## chileEarthquake2014

Information Type Precision (positive class, multi-type, macro): 0.09265130775512143  
Information Type Recall (positive class, multi-type, macro): 0.16739647213742004  
Information Type F1 (positive class, multi-type, macro): 0.07216849167711939  
Information Type Accuracy (overall, multi-type, macro): 0.8942765273311898

## flSchoolShooting2018

Information Type Precision (positive class, multi-type, macro): 0.09532859126917623  
Information Type Recall (positive class, multi-type, macro): 0.08739431177393364  
Information Type F1 (positive class, multi-type, macro): 0.0498030073363845  
Information Type Accuracy (overall, multi-type, macro): 0.8576028622540249

## guatemalaEarthquake2012

Information Type Precision (positive class, multi-type, macro): 0.08887526442339276  
Information Type Recall (positive class, multi-type, macro): 0.23093484680693982  
Information Type F1 (positive class, multi-type, macro): 0.11384552646719795  
Information Type Accuracy (overall, multi-type, macro): 0.882857142857143

## italyEarthquakes2012

Information Type Precision (positive class, multi-type, macro): 0.13559624500418255  
Information Type Recall (positive class, multi-type, macro): 0.0904830917874396  
Information Type F1 (positive class, multi-type, macro): 0.07508537913699204  
Information Type Accuracy (overall, multi-type, macro): 0.9332038834951456

## joplinTornado2011

Information Type Precision (positive class, multi-type, macro): 0.15309345927905765  
Information Type Recall (positive class, multi-type, macro): 0.2911111111111111  
Information Type F1 (positive class, multi-type, macro): 0.17696662264464125  
Information Type Accuracy (overall, multi-type, macro): 0.8779166666666669

## manilaFloods2013

Information Type Precision (positive class, multi-type, macro): 0.12710039353630703  
Information Type Recall (positive class, multi-type, macro): 0.16486716664977535  
Information Type F1 (positive class, multi-type, macro): 0.11057662329339796  
Information Type Accuracy (overall, multi-type, macro): 0.9174695863746959

## nepalEarthquake2015

Information Type Precision (positive class, multi-type, macro): 0.1393078261262106  
Information Type Recall (positive class, multi-type, macro): 0.19245291293974912  
Information Type F1 (positive class, multi-type, macro): 0.1294858214007142

Information Type Accuracy (overall, multi-type, macro): 0.9211296199895886

## parisAttacks2015

Information Type Precision (positive class, multi-type, macro): 0.08041094750426687

Information Type Recall (positive class, multi-type, macro): 0.13678648345322134

Information Type F1 (positive class, multi-type, macro): 0.08004576998356114

Information Type Accuracy (overall, multi-type, macro): 0.9095450145208133

## philipinnesFloods2012

Information Type Precision (positive class, multi-type, macro): 0.13200706163657247

Information Type Recall (positive class, multi-type, macro): 0.2049766164223996

Information Type F1 (positive class, multi-type, macro): 0.12939907210026502

Information Type Accuracy (overall, multi-type, macro): 0.903340961098398

## queenslandFloods2013

Information Type Precision (positive class, multi-type, macro): 0.18864773625056358

Information Type Recall (positive class, multi-type, macro): 0.2452614854370849

Information Type F1 (positive class, multi-type, macro): 0.16937742373841094

Information Type Accuracy (overall, multi-type, macro): 0.8823001402524545

## typhoonHagupit2014

Information Type Precision (positive class, multi-type, macro): 0.20433628858038827

Information Type Recall (positive class, multi-type, macro): 0.29437454774961747

Information Type F1 (positive class, multi-type, macro): 0.17687801672954898

Information Type Accuracy (overall, multi-type, macro): 0.8936131647984733

## typhoonYolanda2013

Information Type Precision (positive class, multi-type, macro): 0.10056408412070143

Information Type Recall (positive class, multi-type, macro): 0.2638388789149658

Information Type F1 (positive class, multi-type, macro): 0.12072811485052727

Information Type Accuracy (overall, multi-type, macro): 0.8917021276595746



TREC-IS 2018 Notebook Evaluator v1.0  
 Run: DLR\_Simple\_CNN (DLR\_Simple\_CNN.gz)

-----  
 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	0.15	0.13	0.14	126
avg / total	0.99	0.99	0.99	19784

## Request-SearchAndRescue

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	19498
Request-SearchAndRescue	0.45	0.34	0.39	286
avg / total	0.98	0.98	0.98	19784

## Request-InformationWanted

	precision	recall	f1-score	support
Other Classes	0.99	0.92	0.96	19612
Request-InformationWanted	0.04	0.40	0.08	172
avg / total	0.99	0.92	0.95	19784

## CallToAction-Volunteer

	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19668
CallToAction-Volunteer	0.14	0.28	0.18	116
avg / total	0.99	0.99	0.99	19784

## CallToAction-Donations

	precision	recall	f1-score	support
Other Classes	0.98	0.96	0.97	18980
CallToAction-Donations	0.37	0.57	0.45	804
avg / total	0.96	0.94	0.95	19784

## CallToAction-MovePeople

	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	19757
CallToAction-MovePeople	0.04	0.22	0.07	27
avg / total	1.00	0.99	0.99	19784

## Report-FirstPartyObservation

	precision	recall	f1-score	support
Other Classes	0.81	0.98	0.88	15977

Report-FirstPartyObservation	0.24	0.03	0.05	3807
avg / total	0.70	0.79	0.72	19784
Report-ThirdPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.79	0.98	0.88	15624
Report-ThirdPartyObservation	0.29	0.02	0.05	4160
avg / total	0.69	0.78	0.70	19784
Report-Weather				
	precision	recall	f1-score	support
Other Classes	0.94	0.99	0.96	18459
Report-Weather	0.49	0.14	0.21	1325
avg / total	0.91	0.93	0.91	19784
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	19098
Report-EmergingThreats	0.13	0.03	0.05	686
avg / total	0.94	0.96	0.95	19784
Report-SignificantEventChange				
	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	19369
Report-SignificantEventChange	0.09	0.01	0.02	415
avg / total	0.96	0.98	0.97	19784
Report-MultimediaShare				
	precision	recall	f1-score	support
Other Classes	0.82	0.91	0.86	15810
Report-MultimediaShare	0.38	0.22	0.28	3974
avg / total	0.73	0.77	0.75	19784
Report-ServiceAvailable				
	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	18708
Report-ServiceAvailable	0.40	0.08	0.14	1076
avg / total	0.92	0.94	0.93	19784
Report-Factoid				
	precision	recall	f1-score	support
Other Classes	0.90	0.97	0.93	17401
Report-Factoid	0.48	0.18	0.26	2383

avg / total	0.85	0.88	0.85	19784
Report-Official				
	precision	recall	f1-score	support
Other Classes	0.98	0.99	0.99	19381
Report-Official	0.11	0.05	0.07	403
avg / total	0.96	0.97	0.97	19784
Report-CleanUp				
	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	19722
Report-CleanUp	0.09	0.32	0.14	62
avg / total	0.99	0.99	0.99	19784
Report-Hashtags				
	precision	recall	f1-score	support
Other Classes	0.83	0.99	0.90	16421
Report-Hashtags	0.17	0.01	0.02	3363
avg / total	0.72	0.82	0.75	19784
Other-PastNews				
	precision	recall	f1-score	support
Other Classes	0.93	1.00	0.96	18433
Other-PastNews	0.00	0.00	0.00	1351
avg / total	0.87	0.93	0.90	19784
Other-ContinuingNews				
	precision	recall	f1-score	support
Other Classes	0.81	0.87	0.84	14913
Other-ContinuingNews	0.48	0.37	0.42	4871
avg / total	0.73	0.75	0.73	19784
Other-Advice				
	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	18575
Other-Advice	0.21	0.09	0.12	1209
avg / total	0.90	0.92	0.91	19784
Other-Sentiment				
	precision	recall	f1-score	support
Other Classes	0.74	0.95	0.83	12832
Other-Sentiment	0.82	0.38	0.52	6952
avg / total	0.77	0.75	0.72	19784

Other-Discussion	precision	recall	f1-score	support
Other Classes	0.90	0.99	0.94	17724
Other-Discussion	0.16	0.01	0.02	2060
avg / total	0.82	0.89	0.85	19784

Other-Irrelevant	precision	recall	f1-score	support
Other Classes	0.88	0.88	0.88	17179
Other-Irrelevant	0.20	0.19	0.20	2605
avg / total	0.79	0.79	0.79	19784

Other-Unknown	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	19707
Other-Unknown	0.01	0.01	0.01	77
avg / total	0.99	0.99	0.99	19784

Other-KnownAlready	precision	recall	f1-score	support
Other Classes	0.95	0.98	0.96	18683
Other-KnownAlready	0.18	0.08	0.11	1101
avg / total	0.90	0.93	0.92	19784