
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: 0.27953890489913374
> Low Importance Alert Worth: -0.7762007555192041
> Accumulated Alert Worth: -0.24833092531003517

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.03437472709807004
> Information Type Recall (positive class, multi-type, macro): 0.29166666666666667
> Information Type F1 (positive class, multi-type, macro): 0.05853681049177096
> Information Type Accuracy (overall, multi-type, macro): 0.6844162081914242
> High Importance Information Type Precision (positive class, multi-type, macro): 0.0023578726748755565
> High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
> High Importance Information Type F1 (positive class, multi-type, macro): 0.004649961250322914
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.8185311326521701
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.045047011905801536
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.3333333333333333
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.07649909357225365
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6397112333711757

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.2527440148690467
> Priority Estimation Error High Importance (mean squared error, macro): 0.13852130288186074
> Priority Estimation Error Low Importance (mean squared error, macro): 0.2908182521981087

LATEX

ICTNET2019_IS & 0.2795 & -0.2483 & 0.0046 & 0.0797 & 0.6844 & 0.1385 & 0.2527 \\\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.0025706940874035992
Information Type Recall (positive class, multi-type, macro): 0.125
Information Type F1 (positive class, multi-type, macro): 0.005005773582962523
Information Type Accuracy (overall, multi-type, macro): 0.6661311053984575
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): 0.8299057412167953
Low Importance Information Type Precision (positive class, multi-type, macro): 0.003427592116538132
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
Low Importance Information Type F1 (positive class, multi-type, macro): 0.006674364777283364
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6115395601256783

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.02952755905511811
Information Type Recall (positive class, multi-type, macro): 0.25
Information Type F1 (positive class, multi-type, macro): 0.04276806087072319
Information Type Accuracy (overall, multi-type, macro): 0.6729002624671917
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): 0.8162729658792651
Low Importance Information Type Precision (positive class, multi-type, macro): 0.03937007874015748
Low Importance Information Type Recall (positive class, multi-type, macro): 0.33333333333333333
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05702408116096426
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6251093613298339

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.041868605277329024
Information Type Recall (positive class, multi-type, macro): 0.29166666666666667
Information Type F1 (positive class, multi-type, macro): 0.0630445564267696
Information Type Accuracy (overall, multi-type, macro): 0.688879913839526
High Importance Information Type Precision (positive class, multi-type, macro): 0.00026925148088314486
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.0005376344086021505
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8309100700053852
Low Importance Information Type Precision (positive class, multi-type, macro): 0.05573505654281098
Low Importance Information Type Recall (positive class, multi-type, macro): 0.33333333333333333
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08388019709949207
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6415365284509065

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.03484727224223023
Information Type Recall (positive class, multi-type, macro): 0.29166666666666667
Information Type F1 (positive class, multi-type, macro): 0.0595156206169777
Information Type Accuracy (overall, multi-type, macro): 0.6899426437241564
High Importance Information Type Precision (positive class, multi-type, macro): 0.0013338668800853676
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.002646552864893476
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8123249299719889
Low Importance Information Type Precision (positive class, multi-type, macro): 0.04601840736294518
Low Importance Information Type Recall (positive class, multi-type, macro): 0.33333333333333333
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07847197653433911
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6491485483082121

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.021895833333333337
Information Type Recall (positive class, multi-type, macro): 0.25
Information Type F1 (positive class, multi-type, macro): 0.03742240409006819
Information Type Accuracy (overall, multi-type, macro): 0.68304166666666665
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): 0.8315
Low Importance Information Type Precision (positive class, multi-type, macro): 0.029194444444444445
Low Importance Information Type Recall (positive class, multi-type, macro): 0.33333333333333333
Low Importance Information Type F1 (positive class, multi-type, macro): 0.04989653878675759
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.63355555555555554

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.050437499999999996
Information Type Recall (positive class, multi-type, macro): 0.29166666666666667
Information Type F1 (positive class, multi-type, macro): 0.07966926527621271
Information Type Accuracy (overall, multi-type, macro): 0.68179166666666667

High Importance Information Type Precision (positive class, multi-type, macro): 0.007249999999999995
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.013895543842836604
High Importance Information Type Accuracy (overall, multi-type, macro): 0.80741666666666667
Low Importance Information Type Precision (positive class, multi-type, macro): 0.06483333333333334
Low Importance Information Type Recall (positive class, multi-type, macro): 0.3333333333333333
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10159383908733807
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.63991666666666667

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

Request-GoodsServices				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7612
Request-GoodsServices	0.00	0.00	0.00	22
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	1.00	1.00	7634
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7625
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	1.00	1.00	1.00	7634
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	7564
Request-InformationWanted	0.00	0.00	0.00	70
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.99	0.99	7634
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7611
CallToAction-Volunteer	0.00	0.00	0.00	23
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	1.00	1.00	7634
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7557
CallToAction-Donations	0.00	0.00	0.00	77
micro avg	0.99	0.99	0.99	7634
macro avg	0.49	0.50	0.50	7634
weighted avg	0.98	0.99	0.98	7634
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	7526
CallToAction-MovePeople	0.01	1.00	0.03	108
micro avg	0.01	0.01	0.01	7634
macro avg	0.01	0.50	0.01	7634
weighted avg	0.00	0.01	0.00	7634
Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	7150
Report-FirstPartyObservation	0.06	1.00	0.12	484
micro avg	0.06	0.06	0.06	7634
macro avg	0.03	0.50	0.06	7634
weighted avg	0.00	0.06	0.01	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.96	1.00	0.98	7318	
Report-ThirdPartyObservation	0.00	0.00	0.00	316	
micro avg	0.96	0.96	0.96	7634	
macro avg	0.48	0.50	0.49	7634	
weighted avg	0.92	0.96	0.94	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.96	1.00	0.98	7335	
Report-Weather	0.00	0.00	0.00	299	
micro avg	0.96	0.96	0.96	7634	
macro avg	0.48	0.50	0.49	7634	
weighted avg	0.92	0.96	0.94	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.94	1.00	0.97	7169	
Report-EmergingThreats	0.00	0.00	0.00	465	
micro avg	0.94	0.94	0.94	7634	
macro avg	0.47	0.50	0.48	7634	
weighted avg	0.88	0.94	0.91	7634	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	1.00	0.99	7493	
Report-NewSubEvent	0.00	0.00	0.00	141	
micro avg	0.98	0.98	0.98	7634	
macro avg	0.49	0.50	0.50	7634	
weighted avg	0.96	0.98	0.97	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.00	0.00	0.00	6034	
Report-MultimediaShare	0.21	1.00	0.35	1600	
micro avg	0.21	0.21	0.21	7634	
macro avg	0.10	0.50	0.17	7634	
weighted avg	0.04	0.21	0.07	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.98	1.00	0.99	7485	
Report-ServiceAvailable	0.00	0.00	0.00	149	
micro avg	0.98	0.98	0.98	7634	
macro avg	0.49	0.50	0.50	7634	
weighted avg	0.96	0.98	0.97	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.87	1.00	0.93	6625	
Report-Factoid	0.00	0.00	0.00	1009	
micro avg	0.87	0.87	0.87	7634	
macro avg	0.43	0.50	0.46	7634	
weighted avg	0.75	0.87	0.81	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	1.00	0.98	7405
Report-Official	0.00	0.00	0.00	229
micro avg	0.97	0.97	0.97	7634
macro avg	0.49	0.50	0.49	7634
weighted avg	0.94	0.97	0.96	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	6158
Report-News	0.19	1.00	0.32	1476
micro avg	0.19	0.19	0.19	7634
macro avg	0.10	0.50	0.16	7634
weighted avg	0.04	0.19	0.06	7634

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	7560
Report-CleanUp	0.00	0.00	0.00	74
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.99	0.99	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.50	1.00	0.66	3790
Report-Hashtags	0.00	0.00	0.00	3844
micro avg	0.50	0.50	0.50	7634
macro avg	0.25	0.50	0.33	7634
weighted avg	0.25	0.50	0.33	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.88	1.00	0.94	6751
Report-OriginalEvent	0.00	0.00	0.00	883
micro avg	0.88	0.88	0.88	7634
macro avg	0.44	0.50	0.47	7634
weighted avg	0.78	0.88	0.83	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	7364
Other-ContextualInformation	0.04	1.00	0.07	270
micro avg	0.04	0.04	0.04	7634
macro avg	0.02	0.50	0.03	7634
weighted avg	0.00	0.04	0.00	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	7184
Other-Advice	0.00	0.00	0.00	450
micro avg	0.94	0.94	0.94	7634
macro avg	0.47	0.50	0.48	7634
weighted avg	0.89	0.94	0.91	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	5844
Other-Sentiment	0.23	1.00	0.38	1790
micro avg	0.23	0.23	0.23	7634
macro avg	0.12	0.50	0.19	7634

weighted avg	0.05	0.23	0.09	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	7064
Other-Discussion	0.07	1.00	0.14	570
micro avg	0.07	0.07	0.07	7634
macro avg	0.04	0.50	0.07	7634
weighted avg	0.01	0.07	0.01	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.66	1.00	0.79	5014
Other-Irrelevant	0.00	0.00	0.00	2620
micro avg	0.66	0.66	0.66	7634
macro avg	0.33	0.50	0.40	7634
weighted avg	0.43	0.66	0.52	7634