
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9942363112391931
> Low Importance Alert Worth: -2.4165124064180217e-05
> Accumulated Alert Worth: -0.49713023818162866

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.0735900463953649
> Information Type Recall (positive class, multi-type, macro): 0.3443316780491437
> Information Type F1 (positive class, multi-type, macro): 0.09505537733102608
> Information Type Accuracy (overall, multi-type, macro): 0.6739586062352633
> High Importance Information Type Precision (positive class, multi-type, macro): 0.005467574024770774
> High Importance Information Type Recall (positive class, multi-type, macro): 0.2931758559947986
> High Importance Information Type F1 (positive class, multi-type, macro): 0.007123417697019856
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.6866649200943149
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.09629753718556296
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.3613836187339255
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.12436603054236148
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6697231682822461

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.062281258757146234
> Priority Estimation Error High Importance (mean squared error, macro): 0.13433429345380404
> Priority Estimation Error Low Importance (mean squared error, macro): 0.03826358052492696

LATEX

BJUTDMS-run1 & -0.9942 & -0.4971 & 0.0071 & 0.0958 & 0.6740 & 0.1343 & 0.0623 \\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.045169021461420905
Information Type Recall (positive class, multi-type, macro): 0.21875
Information Type F1 (positive class, multi-type, macro): 0.0495985423594679
Information Type Accuracy (overall, multi-type, macro): 0.7041559554413025
High Importance Information Type Precision (positive class, multi-type, macro): 0.000591016548463357
High Importance Information Type Recall (positive class, multi-type, macro): 0.16666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.001177856301531213
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7133676092544987
Low Importance Information Type Precision (positive class, multi-type, macro): 0.060028356432406754
Low Importance Information Type Recall (positive class, multi-type, macro): 0.23611111111111111
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0657387710454468
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7010854041702371

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.060830434012777386
Information Type Recall (positive class, multi-type, macro): 0.25818273092369476
Information Type F1 (positive class, multi-type, macro): 0.061598039315463836
Information Type Accuracy (overall, multi-type, macro): 0.6013779527559054
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): 0.6706036745406824
Low Importance Information Type Precision (positive class, multi-type, macro): 0.08110724535036985
Low Importance Information Type Recall (positive class, multi-type, macro): 0.344243641231593
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08213071908728511
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.5783027121609798

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.09908768624763964
Information Type Recall (positive class, multi-type, macro): 0.38143719026071965
Information Type F1 (positive class, multi-type, macro): 0.10808286817400442
Information Type Accuracy (overall, multi-type, macro): 0.6550888529886915
High Importance Information Type Precision (positive class, multi-type, macro): 0.0009071350255487288
High Importance Information Type Recall (positive class, multi-type, macro): 0.33333333333333333
High Importance Information Type F1 (positive class, multi-type, macro): 0.001808552664065972
High Importance Information Type Accuracy (overall, multi-type, macro): 0.6873990306946688
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13181453665500328
Low Importance Information Type Recall (positive class, multi-type, macro): 0.3974718092365151
Low Importance Information Type F1 (positive class, multi-type, macro): 0.14350764001065058
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6443187937533654

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.07017268702226763
Information Type Recall (positive class, multi-type, macro): 0.3430291541613794
Information Type F1 (positive class, multi-type, macro): 0.08697188930588506
Information Type Accuracy (overall, multi-type, macro): 0.6697845804988661
High Importance Information Type Precision (positive class, multi-type, macro): 0.012671658052092834
High Importance Information Type Recall (positive class, multi-type, macro): 0.28325617283950616
High Importance Information Type F1 (positive class, multi-type, macro): 0.01222548528069487
High Importance Information Type Accuracy (overall, multi-type, macro): 0.6834066960117381
Low Importance Information Type Precision (positive class, multi-type, macro): 0.08933969667899255
Low Importance Information Type Recall (positive class, multi-type, macro): 0.3629534812686704
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11188735731428179
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6652438753279089

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.06052615837875367
Information Type Recall (positive class, multi-type, macro): 0.22908566999089688
Information Type F1 (positive class, multi-type, macro): 0.08196833363921807
Information Type Accuracy (overall, multi-type, macro): 0.6562291666666668
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): 0.669
Low Importance Information Type Precision (positive class, multi-type, macro): 0.0807015445050049
Low Importance Information Type Recall (positive class, multi-type, macro): 0.30544755998786255
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1092911151895743
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6519722222222223

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.09422026948566069
Information Type Recall (positive class, multi-type, macro): 0.29149500027371755
Information Type F1 (positive class, multi-type, macro): 0.0958141449714141
Information Type Accuracy (overall, multi-type, macro): 0.7014791666666667

High Importance Information Type Precision (positive class, multi-type, macro): 0.007729269792727183
High Importance Information Type Recall (positive class, multi-type, macro): 0.282088122605364
High Importance Information Type F1 (positive class, multi-type, macro): 0.014796337659365466
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7040000000000001
Low Importance Information Type Precision (positive class, multi-type, macro): 0.12305060271663851
Low Importance Information Type Recall (positive class, multi-type, macro): 0.29463062616316865
Low Importance Information Type F1 (positive class, multi-type, macro): 0.122820080742097
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.700638888888889

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

Request-GoodsServices				
	precision	recall	f1-score	support
Other Classes	1.00	0.19	0.32	7611
Request-GoodsServices	0.00	0.83	0.01	23
micro avg	0.19	0.19	0.19	7634
macro avg	0.50	0.51	0.16	7634
weighted avg	0.99	0.19	0.32	7634
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	7624
Request-SearchAndRescue	0.00	0.00	0.00	10
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	1.00	0.99	1.00	7634
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	0.99	0.97	0.98	7563
Request-InformationWanted	0.00	0.01	0.01	71
micro avg	0.96	0.96	0.96	7634
macro avg	0.50	0.49	0.49	7634
weighted avg	0.98	0.96	0.97	7634
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	0.87	0.93	7610
CallToAction-Volunteer	0.00	0.12	0.01	24
micro avg	0.87	0.87	0.87	7634
macro avg	0.50	0.50	0.47	7634
weighted avg	0.99	0.87	0.93	7634
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	0.99	0.46	0.63	7556
CallToAction-Donations	0.01	0.71	0.03	78
micro avg	0.46	0.46	0.46	7634
macro avg	0.50	0.58	0.33	7634
weighted avg	0.98	0.46	0.62	7634
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.97	0.04	0.07	7526
CallToAction-MovePeople	0.01	0.93	0.03	108
micro avg	0.05	0.05	0.05	7634
macro avg	0.49	0.48	0.05	7634
weighted avg	0.96	0.05	0.07	7634
Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.02	0.05	7150
Report-FirstPartyObservation	0.06	0.99	0.12	484
micro avg	0.09	0.09	0.09	7634
macro avg	0.52	0.51	0.08	7634
weighted avg	0.91	0.09	0.05	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	7334	
Report-Weather	0.00	0.00	0.00	300	
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	7168	
Report-EmergingThreats	0.00	0.00	0.00	466	
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	0.99	0.99	7492	
Report-NewSubEvent	0.02	0.01	0.01	142	
micro avg	0.97	0.97	0.97	7634	
macro avg	0.50	0.50	0.50	7634	
weighted avg	0.96	0.97	0.97	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.79	0.93	0.86	6034	
Report-MultimediaShare	0.23	0.08	0.12	1600	
micro avg	0.75	0.75	0.75	7634	
macro avg	0.51	0.51	0.49	7634	
weighted avg	0.68	0.75	0.70	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.98	0.99	0.99	7484	
Report-ServiceAvailable	0.00	0.00	0.00	150	
micro avg	0.98	0.98	0.98	7634	
macro avg	0.49	0.50	0.49	7634	
weighted avg	0.96	0.98	0.97	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.87	0.83	0.85	6625	
Report-Factoid	0.15	0.20	0.17	1009	
micro avg	0.75	0.75	0.75	7634	
macro avg	0.51	0.51	0.51	7634	
weighted avg	0.78	0.75	0.76	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	0.99	0.98	7404
Report-Official	0.01	0.00	0.01	230
micro avg	0.96	0.96	0.96	7634
macro avg	0.49	0.50	0.49	7634
weighted avg	0.94	0.96	0.95	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.81	1.00	0.89	6158
Report-News	0.00	0.00	0.00	1476
micro avg	0.81	0.81	0.81	7634
macro avg	0.40	0.50	0.45	7634
weighted avg	0.65	0.81	0.72	7634

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	0.99	0.42	0.59	7559
Report-CleanUp	0.01	0.64	0.02	75
micro avg	0.42	0.42	0.42	7634
macro avg	0.50	0.53	0.31	7634
weighted avg	0.98	0.42	0.58	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.00	0.00	0.00	3789
Report-Hashtags	0.50	1.00	0.67	3845
micro avg	0.50	0.50	0.50	7634
macro avg	0.25	0.50	0.33	7634
weighted avg	0.25	0.50	0.34	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.88	0.90	0.89	6750
Report-OriginalEvent	0.09	0.07	0.08	884
micro avg	0.81	0.81	0.81	7634
macro avg	0.48	0.49	0.48	7634
weighted avg	0.79	0.81	0.80	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	7364
Other-ContextualInformation	0.00	0.00	0.00	270
micro avg	0.96	0.96	0.96	7634
macro avg	0.48	0.50	0.49	7634
weighted avg	0.93	0.96	0.95	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	7183
Other-Advice	0.00	0.00	0.00	451
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	0.69	0.00	0.00	5844
Other-Sentiment	0.23	1.00	0.38	1790
micro avg	0.24	0.24	0.24	7634
macro avg	0.46	0.50	0.19	7634

weighted avg	0.58	0.24	0.09	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.91	0.25	0.39	7064
Other-Discussion	0.07	0.69	0.12	570
micro avg	0.28	0.28	0.28	7634
macro avg	0.49	0.47	0.26	7634
weighted avg	0.84	0.28	0.37	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	1.00	0.00	0.00	5013
Other-Irrelevant	0.34	1.00	0.51	2621
micro avg	0.34	0.34	0.34	7634
macro avg	0.67	0.50	0.26	7634
weighted avg	0.77	0.34	0.18	7634