
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.8556195965417869
> Low Importance Alert Worth: -0.02069339293179524
> Accumulated Alert Worth: -0.4381564947367911

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.25088245065100706
> Information Type Recall (positive class, multi-type, macro): 0.257581825300262
> Information Type F1 (positive class, multi-type, macro): 0.15056299939281012
> Information Type Accuracy (overall, multi-type, macro): 0.8324436730416559
> High Importance Information Type Precision (positive class, multi-type, macro): 0.05295880563925192
> High Importance Information Type Recall (positive class, multi-type, macro): 0.33184784596066746
> High Importance Information Type F1 (positive class, multi-type, macro): 0.08837905678732909
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9024321019998253
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.31685699898825875
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.2328264850801268
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.17129098026130377
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8091141967222657

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06328426938035894
> Priority Estimation Error High Importance (mean squared error, macro): 0.11436701425266656
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04625668775625638

LATEX

UCDrunEL2 & -0.8556 & -0.4382 & 0.0884 & 0.1467 & 0.8324 & 0.1144 & 0.0633 \\\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.05160462125226032
Information Type Recall (positive class, multi-type, macro): 0.11393989592692422
Information Type F1 (positive class, multi-type, macro): 0.014516248610220744
Information Type Accuracy (overall, multi-type, macro): 0.8225149957155099
High Importance Information Type Precision (positive class, multi-type, macro): 0.0022988505747126436
High Importance Information Type Recall (positive class, multi-type, macro): 0.05555555555555555
High Importance Information Type F1 (positive class, multi-type, macro): 0.004415011037527595
High Importance Information Type Accuracy (overall, multi-type, macro): 0.874464438731791
Low Importance Information Type Precision (positive class, multi-type, macro): 0.06803987814477622
Low Importance Information Type Recall (positive class, multi-type, macro): 0.13340134271738047
Low Importance Information Type F1 (positive class, multi-type, macro): 0.01788332780111846
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.805198514710083

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.08910555481470235
Information Type Recall (positive class, multi-type, macro): 0.1427607488778644
Information Type F1 (positive class, multi-type, macro): 0.07801663986169824
Information Type Accuracy (overall, multi-type, macro): 0.8704068241469817
High Importance Information Type Precision (positive class, multi-type, macro): 0.029914529914529916
High Importance Information Type Recall (positive class, multi-type, macro): 0.11666666666666665
High Importance Information Type F1 (positive class, multi-type, macro): 0.047619047619047616
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8818897637795277
Low Importance Information Type Precision (positive class, multi-type, macro): 0.10883589644809318
Low Importance Information Type Recall (positive class, multi-type, macro): 0.15145877628159699
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08814917060924846
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8665791776027998

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.2114179257861156
Information Type Recall (positive class, multi-type, macro): 0.2413166763578705
Information Type F1 (positive class, multi-type, macro): 0.1748846580788176
Information Type Accuracy (overall, multi-type, macro): 0.8710285406569733
High Importance Information Type Precision (positive class, multi-type, macro): 0.036275584795321635
High Importance Information Type Recall (positive class, multi-type, macro): 0.30555555555555555
High Importance Information Type F1 (positive class, multi-type, macro): 0.057642089093702
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9211093161012386
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2697987061163803
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2199037166253089
Low Importance Information Type F1 (positive class, multi-type, macro): 0.21396551440718944
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8543349488422185

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.2222804208897312
Information Type Recall (positive class, multi-type, macro): 0.24659367825570175
Information Type F1 (positive class, multi-type, macro): 0.13947387181837353
Information Type Accuracy (overall, multi-type, macro): 0.8273142590369481
High Importance Information Type Precision (positive class, multi-type, macro): 0.0700745601243029
High Importance Information Type Recall (positive class, multi-type, macro): 0.33635048117795546
High Importance Information Type F1 (positive class, multi-type, macro): 0.10995678682621424
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8874883286647992
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2730157078115407
Low Importance Information Type Recall (positive class, multi-type, macro): 0.21667474394828382
Low Importance Information Type F1 (positive class, multi-type, macro): 0.14931290014909332
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8072562358276643

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.08924733138971543
Information Type Recall (positive class, multi-type, macro): 0.1697685542012531
Information Type F1 (positive class, multi-type, macro): 0.06903637411431238
Information Type Accuracy (overall, multi-type, macro): 0.8437708333333332
High Importance Information Type Precision (positive class, multi-type, macro): 0.0017543859649122807
High Importance Information Type Recall (positive class, multi-type, macro): 0.037037037037037035
High Importance Information Type F1 (positive class, multi-type, macro): 0.003350083752093802
High Importance Information Type Accuracy (overall, multi-type, macro): 0.94875
Low Importance Information Type Precision (positive class, multi-type, macro): 0.11841164653131647
Low Importance Information Type Recall (positive class, multi-type, macro): 0.21401239325599175
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0909318042350519
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8087777777777777

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.22614048426925573
Information Type Recall (positive class, multi-type, macro): 0.23611579454944023
Information Type F1 (positive class, multi-type, macro): 0.14671128863301747
Information Type Accuracy (overall, multi-type, macro): 0.8151041666666666

High Importance Information Type Precision (positive class, multi-type, macro): 0.10808091645256461
High Importance Information Type Recall (positive class, multi-type, macro): 0.24446254633234332
High Importance Information Type F1 (positive class, multi-type, macro): 0.1069822542611815
High Importance Information Type Accuracy (overall, multi-type, macro): 0.87575
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2654936735414861
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2333335439551393
Low Importance Information Type F1 (positive class, multi-type, macro): 0.15995430009029613
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7948888888888886

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

Request-GoodsServices	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.99	7611
Request-GoodsServices	0.03	0.30	0.06	23
micro avg	0.97	0.97	0.97	7634
macro avg	0.52	0.64	0.52	7634
weighted avg	0.99	0.97	0.98	7634

Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	7624
Request-SearchAndRescue	0.02	0.20	0.03	10
micro avg	0.98	0.98	0.98	7634
macro avg	0.51	0.59	0.51	7634
weighted avg	1.00	0.98	0.99	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	1.00	7556
CallToAction-Donations	0.62	0.44	0.51	78
micro avg	0.99	0.99	0.99	7634
macro avg	0.81	0.72	0.75	7634
weighted avg	0.99	0.99	0.99	7634

CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	0.99	0.88	0.93	7526
CallToAction-MovePeople	0.06	0.57	0.11	108
micro avg	0.87	0.87	0.87	7634
macro avg	0.53	0.73	0.52	7634
weighted avg	0.98	0.87	0.92	7634

Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.94	0.70	0.81	7150
Report-FirstPartyObservation	0.08	0.38	0.13	484
micro avg	0.68	0.68	0.68	7634
macro avg	0.51	0.54	0.47	7634
weighted avg	0.89	0.68	0.76	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.97	0.77	0.86	7317	
Report-ThirdPartyObservation	0.07	0.38	0.11	317	
micro avg	0.75	0.75	0.75	7634	
macro avg	0.52	0.57	0.48	7634	
weighted avg	0.93	0.75	0.82	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.97	0.99	0.98	7334	
Report-Weather	0.52	0.25	0.34	300	
micro avg	0.96	0.96	0.96	7634	
macro avg	0.74	0.62	0.66	7634	
weighted avg	0.95	0.96	0.95	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.95	0.83	0.88	7168	
Report-EmergingThreats	0.09	0.28	0.14	466	
micro avg	0.79	0.79	0.79	7634	
macro avg	0.52	0.55	0.51	7634	
weighted avg	0.89	0.79	0.84	7634	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	0.95	0.96	7492	
Report-NewSubEvent	0.03	0.09	0.05	142	
micro avg	0.93	0.93	0.93	7634	
macro avg	0.51	0.52	0.51	7634	
weighted avg	0.96	0.93	0.95	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.82	0.74	0.78	6034	
Report-MultimediaShare	0.28	0.37	0.32	1600	
micro avg	0.66	0.66	0.66	7634	
macro avg	0.55	0.56	0.55	7634	
weighted avg	0.70	0.66	0.68	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.99	0.87	0.92	7484	
Report-ServiceAvailable	0.07	0.54	0.13	150	
micro avg	0.86	0.86	0.86	7634	
macro avg	0.53	0.70	0.53	7634	
weighted avg	0.97	0.86	0.91	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.89	0.97	0.93	6625	
Report-Factoid	0.50	0.18	0.26	1009	
micro avg	0.87	0.87	0.87	7634	
macro avg	0.69	0.58	0.60	7634	
weighted avg	0.84	0.87	0.84	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	1.00	0.98	7404
Report-Official	1.00	0.00	0.01	230
micro avg	0.97	0.97	0.97	7634
macro avg	0.98	0.50	0.50	7634
weighted avg	0.97	0.97	0.96	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.95	0.49	0.65	6158
Report-News	0.30	0.88	0.44	1476
micro avg	0.57	0.57	0.57	7634
macro avg	0.62	0.69	0.55	7634
weighted avg	0.82	0.57	0.61	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	0.49	0.88	0.63	3789
Report-Hashtags	0.45	0.10	0.16	3845
micro avg	0.48	0.48	0.48	7634
macro avg	0.47	0.49	0.39	7634
weighted avg	0.47	0.48	0.39	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.89	0.99	0.94	6750
Report-OriginalEvent	0.26	0.02	0.03	884
micro avg	0.88	0.88	0.88	7634
macro avg	0.57	0.50	0.48	7634
weighted avg	0.81	0.88	0.83	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.79	0.87	7364
Other-ContextualInformation	0.03	0.16	0.05	270
micro avg	0.77	0.77	0.77	7634
macro avg	0.49	0.47	0.46	7634
weighted avg	0.93	0.77	0.84	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	0.97	0.96	7183
Other-Advice	0.18	0.09	0.12	451
micro avg	0.92	0.92	0.92	7634
macro avg	0.56	0.53	0.54	7634
weighted avg	0.90	0.92	0.91	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.92	0.60	0.73	5844
Other-Sentiment	0.39	0.83	0.53	1790
micro avg	0.66	0.66	0.66	7634
macro avg	0.66	0.72	0.63	7634

weighted avg	0.80	0.66	0.68	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.92	0.81	0.86	7064
Other-Discussion	0.05	0.12	0.07	570
micro avg	0.75	0.75	0.75	7634
macro avg	0.48	0.46	0.46	7634
weighted avg	0.85	0.75	0.80	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.66	1.00	0.79	5013
Other-Irrelevant	1.00	0.00	0.00	2621
micro avg	0.66	0.66	0.66	7634
macro avg	0.83	0.50	0.40	7634
weighted avg	0.77	0.66	0.52	7634