
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9268011527377519
> Low Importance Alert Worth: -0.008402967783485099
> Accumulated Alert Worth: -0.4676020602606185

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.22614256139003341
> Information Type Recall (positive class, multi-type, macro): 0.2529740632075467
> Information Type F1 (positive class, multi-type, macro): 0.1668477756235369
> Information Type Accuracy (overall, multi-type, macro): 0.8518742904549822
> High Importance Information Type Precision (positive class, multi-type, macro): 0.057698457344075894
> High Importance Information Type Recall (positive class, multi-type, macro): 0.2962243070637269
> High Importance Information Type F1 (positive class, multi-type, macro): 0.09184952724350849
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9017116409047244
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.28229059607201923
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.2385573152554866
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.19184719175021303
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8352618403050681

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06225083524365808
> Priority Estimation Error High Importance (mean squared error, macro): 0.12068308948860439
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04277341716200931

LATEX

UCDrunELFB4 & -0.9268 & -0.4676 & 0.0918 & 0.1617 & 0.8519 & 0.1207 & 0.0623 \\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.06111870832069491
Information Type Recall (positive class, multi-type, macro): 0.14616770807808543
Information Type F1 (positive class, multi-type, macro): 0.02813769101533066
Information Type Accuracy (overall, multi-type, macro): 0.8473650385604116
High Importance Information Type Precision (positive class, multi-type, macro): 0.005012531328320802
High Importance Information Type Recall (positive class, multi-type, macro): 0.1111111111111111
High Importance Information Type F1 (positive class, multi-type, macro): 0.00959232613908873
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8920308483290489
Low Importance Information Type Precision (positive class, multi-type, macro): 0.07982076731815295
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1578532404004102
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0343194793074113
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8324764353041987

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.143876208715605
Information Type Recall (positive class, multi-type, macro): 0.18986098455446435
Information Type F1 (positive class, multi-type, macro): 0.1014905472892521
Information Type Accuracy (overall, multi-type, macro): 0.8776246719160107
High Importance Information Type Precision (positive class, multi-type, macro): 0.04842105263157895
High Importance Information Type Recall (positive class, multi-type, macro): 0.2444444444444444
High Importance Information Type F1 (positive class, multi-type, macro): 0.07936507936507936
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8976377952755906
Low Importance Information Type Precision (positive class, multi-type, macro): 0.175694594076947
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17166649792447097
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10886570326397634
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8709536307961506

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.22279680012332972
Information Type Recall (positive class, multi-type, macro): 0.23904891263165037
Information Type F1 (positive class, multi-type, macro): 0.1712306891022695
Information Type Accuracy (overall, multi-type, macro): 0.8745961227786753
High Importance Information Type Precision (positive class, multi-type, macro): 0.0030864197530864196
High Importance Information Type Recall (positive class, multi-type, macro): 0.1111111111111111
High Importance Information Type F1 (positive class, multi-type, macro): 0.006006006006006006
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9240710823909533
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2960335935800775
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2816948464718301
Low Importance Information Type F1 (positive class, multi-type, macro): 0.22630558346769064
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8581044695745828

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.20839255907851592
Information Type Recall (positive class, multi-type, macro): 0.26215553621344695
Information Type F1 (positive class, multi-type, macro): 0.16184098204429878
Information Type Accuracy (overall, multi-type, macro): 0.8479725223422702
High Importance Information Type Precision (positive class, multi-type, macro): 0.06931015333960863
High Importance Information Type Recall (positive class, multi-type, macro): 0.3361922030218003
High Importance Information Type F1 (positive class, multi-type, macro): 0.10863523655503714
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9002934507136189
Low Importance Information Type Precision (positive class, multi-type, macro): 0.25475336099148504
Low Importance Information Type Recall (positive class, multi-type, macro): 0.23747664727732914
Low Importance Information Type F1 (positive class, multi-type, macro): 0.17957623054071933
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.830532212885154

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.13077308454178543
Information Type Recall (positive class, multi-type, macro): 0.17906798320222825
Information Type F1 (positive class, multi-type, macro): 0.10269671955695416
Information Type Accuracy (overall, multi-type, macro): 0.8750208333333332
High Importance Information Type Precision (positive class, multi-type, macro): 0.002
High Importance Information Type Recall (positive class, multi-type, macro): 0.05555555555555555
High Importance Information Type F1 (positive class, multi-type, macro): 0.0038610038610038615
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9374166666666666
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1736974460557139
Low Importance Information Type Recall (positive class, multi-type, macro): 0.22023879241778574
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13564195812227092
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8542222222222224

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.21008814939336085
Information Type Recall (positive class, multi-type, macro): 0.22346998504335228
Information Type F1 (positive class, multi-type, macro): 0.16173589475122055
Information Type Accuracy (overall, multi-type, macro): 0.8258125000000001

High Importance Information Type Precision (positive class, multi-type, macro): 0.12374770691488006
High Importance Information Type Recall (positive class, multi-type, macro): 0.22385779939705586
High Importance Information Type F1 (positive class, multi-type, macro): 0.11774707062190626
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8630000000000001
Low Importance Information Type Precision (positive class, multi-type, macro): 0.23886829688618777
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2233407135921177
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1763988361276587
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8134166666666667

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

Request-GoodsServices	precision	recall	f1-score	support
Other Classes	1.00	0.96	0.98	7611
Request-GoodsServices	0.03	0.39	0.06	23
micro avg	0.96	0.96	0.96	7634
macro avg	0.51	0.68	0.52	7634
weighted avg	1.00	0.96	0.98	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	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	0.99	0.99	7556
CallToAction-Donations	0.49	0.51	0.50	78
micro avg	0.99	0.99	0.99	7634
macro avg	0.74	0.75	0.75	7634
weighted avg	0.99	0.99	0.99	7634

CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	0.99	0.97	0.98	7526
CallToAction-MovePeople	0.11	0.28	0.15	108
micro avg	0.96	0.96	0.96	7634
macro avg	0.55	0.62	0.57	7634
weighted avg	0.98	0.96	0.97	7634

Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.94	0.73	0.82	7150
Report-FirstPartyObservation	0.07	0.32	0.12	484
micro avg	0.70	0.70	0.70	7634
macro avg	0.51	0.53	0.47	7634
weighted avg	0.89	0.70	0.78	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.97	0.83	0.89	7317	
Report-ThirdPartyObservation	0.08	0.32	0.12	317	
micro avg	0.81	0.81	0.81	7634	
macro avg	0.52	0.57	0.51	7634	
weighted avg	0.93	0.81	0.86	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.97	0.99	0.98	7334	
Report-Weather	0.52	0.19	0.28	300	
micro avg	0.96	0.96	0.96	7634	
macro avg	0.74	0.59	0.63	7634	
weighted avg	0.95	0.96	0.95	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.95	0.82	0.88	7168	
Report-EmergingThreats	0.10	0.29	0.14	466	
micro avg	0.79	0.79	0.79	7634	
macro avg	0.52	0.56	0.51	7634	
weighted avg	0.89	0.79	0.83	7634	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.99	0.92	0.95	7492	
Report-NewSubEvent	0.06	0.27	0.09	142	
micro avg	0.90	0.90	0.90	7634	
macro avg	0.52	0.59	0.52	7634	
weighted avg	0.97	0.90	0.93	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.86	0.84	0.85	6034	
Report-MultimediaShare	0.45	0.49	0.47	1600	
micro avg	0.77	0.77	0.77	7634	
macro avg	0.65	0.67	0.66	7634	
weighted avg	0.77	0.77	0.77	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.99	0.81	0.89	7484	
Report-ServiceAvailable	0.06	0.55	0.10	150	
micro avg	0.81	0.81	0.81	7634	
macro avg	0.52	0.68	0.50	7634	
weighted avg	0.97	0.81	0.88	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.90	0.96	0.93	6625	
Report-Factoid	0.52	0.28	0.37	1009	
micro avg	0.87	0.87	0.87	7634	
macro avg	0.71	0.62	0.65	7634	
weighted avg	0.85	0.87	0.85	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	1.00	0.98	7404
Report-Official	0.46	0.03	0.05	230
micro avg	0.97	0.97	0.97	7634
macro avg	0.72	0.51	0.52	7634
weighted avg	0.96	0.97	0.96	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.95	0.56	0.71	6158
Report-News	0.32	0.87	0.47	1476
micro avg	0.62	0.62	0.62	7634
macro avg	0.63	0.72	0.59	7634
weighted avg	0.83	0.62	0.66	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	0.51	0.92	0.66	3789
Report-Hashtags	0.62	0.13	0.22	3845
micro avg	0.52	0.52	0.52	7634
macro avg	0.56	0.52	0.44	7634
weighted avg	0.56	0.52	0.43	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.89	0.99	0.93	6750
Report-OriginalEvent	0.29	0.05	0.08	884
micro avg	0.88	0.88	0.88	7634
macro avg	0.59	0.52	0.51	7634
weighted avg	0.82	0.88	0.84	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.93	0.95	7364
Other-ContextualInformation	0.03	0.07	0.05	270
micro avg	0.90	0.90	0.90	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.93	0.90	0.91	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	7183
Other-Advice	0.17	0.08	0.10	451
micro avg	0.92	0.92	0.92	7634
macro avg	0.56	0.53	0.53	7634
weighted avg	0.90	0.92	0.91	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.94	0.59	0.73	5844
Other-Sentiment	0.40	0.87	0.55	1790
micro avg	0.66	0.66	0.66	7634
macro avg	0.67	0.73	0.64	7634

weighted avg	0.81	0.66	0.68	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.92	0.89	0.91	7064
Other-Discussion	0.05	0.08	0.06	570
micro avg	0.83	0.83	0.83	7634
macro avg	0.49	0.48	0.48	7634
weighted avg	0.86	0.83	0.84	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.66	1.00	0.79	5013
Other-Irrelevant	0.60	0.01	0.02	2621
micro avg	0.66	0.66	0.66	7634
macro avg	0.63	0.50	0.41	7634
weighted avg	0.64	0.66	0.53	7634