
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.934293948126801
> Low Importance Alert Worth: -0.005767556530741311
> Accumulated Alert Worth: -0.4700307523287712

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.1796204161940129
> Information Type Recall (positive class, multi-type, macro): 0.4351272883371036
> Information Type F1 (positive class, multi-type, macro): 0.18279392180211998
> Information Type Accuracy (overall, multi-type, macro): 0.7852534713125493
> High Importance Information Type Precision (positive class, multi-type, macro): 0.06974210734858048
> High Importance Information Type Recall (positive class, multi-type, macro): 0.4741187011814459
> High Importance Information Type F1 (positive class, multi-type, macro): 0.11796129106840753
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.8894201379792156
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.21624651914249035
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.422130150722323
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.20440479871335748
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7505312490903271

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.060258555225896966
> Priority Estimation Error High Importance (mean squared error, macro): 0.11714586140611016
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04129611983249256

LATEX

UCDrunELFB3 & -0.9343 & -0.4700 & 0.1180 & 0.1807 & 0.7853 & 0.1171 & 0.0603 \\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.058734932390014094
Information Type Recall (positive class, multi-type, macro): 0.22177043344496175
Information Type F1 (positive class, multi-type, macro): 0.030765495550958828
Information Type Accuracy (overall, multi-type, macro): 0.7595329905741215
High Importance Information Type Precision (positive class, multi-type, macro): 0.004630522863206637
High Importance Information Type Recall (positive class, multi-type, macro): 0.2222222222222222
High Importance Information Type F1 (positive class, multi-type, macro): 0.0090909090909090909
High Importance Information Type Accuracy (overall, multi-type, macro): 0.824764353041988
Low Importance Information Type Precision (positive class, multi-type, macro): 0.07676973556561657
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2216198371858749
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03801765773160877
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7377892030848329

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.10907010801331912
Information Type Recall (positive class, multi-type, macro): 0.32496868042580307
Information Type F1 (positive class, multi-type, macro): 0.12928044436910616
Information Type Accuracy (overall, multi-type, macro): 0.8047900262467192
High Importance Information Type Precision (positive class, multi-type, macro): 0.02391304347826087
High Importance Information Type Recall (positive class, multi-type, macro): 0.2222222222222222
High Importance Information Type F1 (positive class, multi-type, macro): 0.04312354312354313
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8346456692913385
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1374557961916719
Low Importance Information Type Recall (positive class, multi-type, macro): 0.35921749982699663
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1579994114509605
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.794838145231846

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.1620587826220347
Information Type Recall (positive class, multi-type, macro): 0.4684909124854199
Information Type F1 (positive class, multi-type, macro): 0.18228385106081804
Information Type Accuracy (overall, multi-type, macro): 0.7908589122240172
High Importance Information Type Precision (positive class, multi-type, macro): 0.011383351790328533
High Importance Information Type Recall (positive class, multi-type, macro): 0.3055555555555555
High Importance Information Type F1 (positive class, multi-type, macro): 0.021458078335373318
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8686052773290253
Low Importance Information Type Precision (positive class, multi-type, macro): 0.21228392623260345
Low Importance Information Type Recall (positive class, multi-type, macro): 0.522802698128708
Low Importance Information Type F1 (positive class, multi-type, macro): 0.23589244196929965
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7649434571890146

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.19456413235172124
Information Type Recall (positive class, multi-type, macro): 0.5064208806991252
Information Type F1 (positive class, multi-type, macro): 0.17830792526080522
Information Type Accuracy (overall, multi-type, macro): 0.7668067226890756
High Importance Information Type Precision (positive class, multi-type, macro): 0.09021877742468076
High Importance Information Type Recall (positive class, multi-type, macro): 0.72160217426237
High Importance Information Type F1 (positive class, multi-type, macro): 0.14981571367836985
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8787515006002402
Low Importance Information Type Precision (positive class, multi-type, macro): 0.22934591732740137
Low Importance Information Type Recall (positive class, multi-type, macro): 0.4346937828447104
Low Importance Information Type F1 (positive class, multi-type, macro): 0.18780532912161704
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7294917967186874

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.11100074853216345
Information Type Recall (positive class, multi-type, macro): 0.2647354946416471
Information Type F1 (positive class, multi-type, macro): 0.10333372336462365
Information Type Accuracy (overall, multi-type, macro): 0.8154166666666667
High Importance Information Type Precision (positive class, multi-type, macro): 0.0035568400770712907
High Importance Information Type Recall (positive class, multi-type, macro): 0.13888888888888887
High Importance Information Type F1 (positive class, multi-type, macro): 0.006560983141291864
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9373333333333333
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1468153846838608
Low Importance Information Type Recall (positive class, multi-type, macro): 0.30668436322589976
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13559130343906758
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7747777777777778

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.18982781320598796
Information Type Recall (positive class, multi-type, macro): 0.3783628732937831
Information Type F1 (positive class, multi-type, macro): 0.1807031529925063
Information Type Accuracy (overall, multi-type, macro): 0.7786666666666666

High Importance Information Type Precision (positive class, multi-type, macro): 0.11704642699211
High Importance Information Type Recall (positive class, multi-type, macro): 0.37778191999187677
High Importance Information Type F1 (positive class, multi-type, macro): 0.15556170229886043
High Importance Information Type Accuracy (overall, multi-type, macro): 0.8773333333333334
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2140882752772806
Low Importance Information Type Recall (positive class, multi-type, macro): 0.3785565243944184
Low Importance Information Type F1 (positive class, multi-type, macro): 0.18908363655705498
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7457777777777778

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

Request-GoodsServices				
	precision	recall	f1-score	support
Other Classes	1.00	0.97	0.98	7611
Request-GoodsServices	0.07	0.74	0.12	23
micro avg	0.97	0.97	0.97	7634
macro avg	0.53	0.85	0.55	7634
weighted avg	1.00	0.97	0.98	7634
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	0.95	0.97	7624
Request-SearchAndRescue	0.01	0.30	0.01	10
micro avg	0.94	0.94	0.94	7634
macro avg	0.50	0.62	0.49	7634
weighted avg	1.00	0.94	0.97	7634
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	0.99	0.97	0.98	7563
Request-InformationWanted	0.03	0.11	0.05	71
micro avg	0.96	0.96	0.96	7634
macro avg	0.51	0.54	0.51	7634
weighted avg	0.98	0.96	0.97	7634
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	0.95	0.97	7610
CallToAction-Volunteer	0.03	0.50	0.05	24
micro avg	0.94	0.94	0.94	7634
macro avg	0.51	0.72	0.51	7634
weighted avg	1.00	0.94	0.97	7634
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	1.00	0.92	0.96	7556
CallToAction-Donations	0.11	0.88	0.19	78
micro avg	0.92	0.92	0.92	7634
macro avg	0.55	0.90	0.58	7634
weighted avg	0.99	0.92	0.95	7634
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.99	0.94	0.96	7526
CallToAction-MovePeople	0.09	0.43	0.15	108
micro avg	0.93	0.93	0.93	7634
macro avg	0.54	0.68	0.55	7634
weighted avg	0.98	0.93	0.95	7634
Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.94	0.64	0.76	7150
Report-FirstPartyObservation	0.07	0.42	0.12	484
micro avg	0.63	0.63	0.63	7634
macro avg	0.51	0.53	0.44	7634
weighted avg	0.89	0.63	0.72	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.97	0.80	0.88	7317	
Report-ThirdPartyObservation	0.07	0.33	0.11	317	
micro avg	0.78	0.78	0.78	7634	
macro avg	0.52	0.57	0.49	7634	
weighted avg	0.93	0.78	0.84	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.96	0.98	0.97	7334	
Report-Weather	0.21	0.12	0.15	300	
micro avg	0.95	0.95	0.95	7634	
macro avg	0.59	0.55	0.56	7634	
weighted avg	0.94	0.95	0.94	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.96	0.80	0.87	7168	
Report-EmergingThreats	0.13	0.47	0.20	466	
micro avg	0.78	0.78	0.78	7634	
macro avg	0.54	0.63	0.54	7634	
weighted avg	0.91	0.78	0.83	7634	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.99	0.86	0.92	7492	
Report-NewSubEvent	0.05	0.39	0.09	142	
micro avg	0.85	0.85	0.85	7634	
macro avg	0.52	0.62	0.50	7634	
weighted avg	0.97	0.85	0.90	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.86	0.80	0.83	6034	
Report-MultimediaShare	0.41	0.52	0.46	1600	
micro avg	0.74	0.74	0.74	7634	
macro avg	0.64	0.66	0.65	7634	
weighted avg	0.77	0.74	0.75	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.99	0.88	0.93	7484	
Report-ServiceAvailable	0.08	0.53	0.14	150	
micro avg	0.87	0.87	0.87	7634	
macro avg	0.53	0.70	0.54	7634	
weighted avg	0.97	0.87	0.92	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.91	0.86	0.89	6625	
Report-Factoid	0.34	0.47	0.40	1009	
micro avg	0.81	0.81	0.81	7634	
macro avg	0.63	0.67	0.64	7634	
weighted avg	0.84	0.81	0.82	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.99	0.76	0.86	7404
Report-Official	0.08	0.70	0.15	230
micro avg	0.76	0.76	0.76	7634
macro avg	0.53	0.73	0.50	7634
weighted avg	0.96	0.76	0.84	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.93	0.65	0.76	6158
Report-News	0.35	0.79	0.48	1476
micro avg	0.68	0.68	0.68	7634
macro avg	0.64	0.72	0.62	7634
weighted avg	0.82	0.68	0.71	7634

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	7559
Report-CleanUp	0.06	0.08	0.07	75
micro avg	0.98	0.98	0.98	7634
macro avg	0.53	0.53	0.53	7634
weighted avg	0.98	0.98	0.98	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.51	0.88	0.65	3789
Report-Hashtags	0.60	0.17	0.27	3845
micro avg	0.53	0.53	0.53	7634
macro avg	0.56	0.53	0.46	7634
weighted avg	0.56	0.53	0.46	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.90	0.87	0.88	6750
Report-OriginalEvent	0.18	0.23	0.20	884
micro avg	0.79	0.79	0.79	7634
macro avg	0.54	0.55	0.54	7634
weighted avg	0.81	0.79	0.80	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.62	0.76	7364
Other-ContextualInformation	0.03	0.32	0.06	270
micro avg	0.61	0.61	0.61	7634
macro avg	0.50	0.47	0.41	7634
weighted avg	0.93	0.61	0.73	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.97	0.53	0.69	7183
Other-Advice	0.09	0.76	0.17	451
micro avg	0.54	0.54	0.54	7634
macro avg	0.53	0.65	0.43	7634
weighted avg	0.92	0.54	0.66	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.87	0.75	0.81	5844
Other-Sentiment	0.44	0.63	0.52	1790
micro avg	0.72	0.72	0.72	7634
macro avg	0.65	0.69	0.66	7634

weighted avg	0.77	0.72	0.74	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.93	0.50	0.65	7064
Other-Discussion	0.07	0.51	0.13	570
micro avg	0.50	0.50	0.50	7634
macro avg	0.50	0.50	0.39	7634
weighted avg	0.86	0.50	0.61	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.67	0.99	0.80	5013
Other-Irrelevant	0.71	0.05	0.10	2621
micro avg	0.67	0.67	0.67	7634
macro avg	0.69	0.52	0.45	7634
weighted avg	0.68	0.67	0.56	7634