
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9286697247706432
> Low Importance Alert Worth: -0.0067988926523495615
> Accumulated Alert Worth: -0.4677343087114964

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.24715036033473306
> Information Type Recall (positive class, multi-type, macro): 0.16120554648648017
> Information Type F1 (positive class, multi-type, macro): 0.1710149859630869
> Information Type Accuracy (overall, multi-type, macro): 0.8599935212180111
> High Importance Information Type Precision (positive class, multi-type, macro): 0.09920013118413873
> High Importance Information Type Recall (positive class, multi-type, macro): 0.0458707911082053
> High Importance Information Type F1 (positive class, multi-type, macro): 0.061390318991488536
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9659504013245509
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.2938714853296576
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.19762704818488275
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.20563330184885478
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8265334538159458

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.08928749697032069
> Priority Estimation Error High Importance (mean squared error, macro): 0.1521415724706911
> Priority Estimation Error Low Importance (mean squared error, macro): 0.0694388415491511

LATEX

UCDbilstmalph & -0.9287 & -0.4677 & 0.0614 & 0.1087 & 0.8600 & 0.1521 & 0.0893 \\\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.23559249567899332
Information Type Recall (positive class, multi-type, macro): 0.15450372113154545
Information Type F1 (positive class, multi-type, macro): 0.16322856628436955
Information Type Accuracy (overall, multi-type, macro): 0.86002
High Importance Information Type Precision (positive class, multi-type, macro): 0.06877076411960133
High Importance Information Type Recall (positive class, multi-type, macro): 0.04695963208993357
High Importance Information Type F1 (positive class, multi-type, macro): 0.05533416355334164
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9690833333333334
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2882730424872224
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18846501240784394
Low Importance Information Type F1 (positive class, multi-type, macro): 0.19730048293627309
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8255789473684212

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.28018061011712714
Information Type Recall (positive class, multi-type, macro): 0.1582242886867004
Information Type F1 (positive class, multi-type, macro): 0.1563831024336588
Information Type Accuracy (overall, multi-type, macro): 0.8385792896448221
High Importance Information Type Precision (positive class, multi-type, macro): 0.22056087187666132
High Importance Information Type Recall (positive class, multi-type, macro): 0.035415794364057666
High Importance Information Type F1 (positive class, multi-type, macro): 0.05728477275264019
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9431382357845589
Low Importance Information Type Precision (positive class, multi-type, macro): 0.29900789587727417
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19700591847279814
Low Importance Information Type F1 (positive class, multi-type, macro): 0.18767731180661204
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8055606750743793

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.15390307373814088
Information Type Recall (positive class, multi-type, macro): 0.14432434063859031
Information Type F1 (positive class, multi-type, macro): 0.12211183555977702
Information Type Accuracy (overall, multi-type, macro): 0.890887218045113
High Importance Information Type Precision (positive class, multi-type, macro): 0.07038935383547565
High Importance Information Type Recall (positive class, multi-type, macro): 0.07710932857991681
High Importance Information Type F1 (positive class, multi-type, macro): 0.07279908010635085
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9640768588137009
Low Importance Information Type Precision (positive class, multi-type, macro): 0.18027582739161413
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16555013392027668
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13768428465033267
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8677746999076638

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.13737471987582822
Information Type Recall (positive class, multi-type, macro): 0.13974807505032896
Information Type F1 (positive class, multi-type, macro): 0.08591819597309555
Information Type Accuracy (overall, multi-type, macro): 0.8468765133171913
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): 0.9970406241592683
Low Importance Information Type Precision (positive class, multi-type, macro): 0.18075621036293188
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18387904611885392
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11305025785933626
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7994562677881144

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.19783810371154403
Information Type Recall (positive class, multi-type, macro): 0.16352312386812937
Information Type F1 (positive class, multi-type, macro): 0.1489602860278327
Information Type Accuracy (overall, multi-type, macro): 0.8774499629355078
High Importance Information Type Precision (positive class, multi-type, macro): 0.06770833333333333
High Importance Information Type Recall (positive class, multi-type, macro): 0.02145214521452145
High Importance Information Type F1 (positive class, multi-type, macro): 0.03258145363408522
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9709661477637757
Low Importance Information Type Precision (positive class, multi-type, macro): 0.23893171540992633
Low Importance Information Type Recall (positive class, multi-type, macro): 0.20838764344295294
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1857114962574372
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8479185361476339

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.251410676536428
Information Type Recall (positive class, multi-type, macro): 0.10569594950293147
Information Type F1 (positive class, multi-type, macro): 0.10872403060886508
Information Type Accuracy (overall, multi-type, macro): 0.8214432989690721

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): 0.9626902307314679
Low Importance Information Type Precision (positive class, multi-type, macro): 0.33080352175845795
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1390736177670151
Low Importance Information Type F1 (positive class, multi-type, macro): 0.14305793501166458
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7768390047283157

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	9223
Request-GoodsServices	0.15	0.05	0.08	38
micro avg	0.99	0.99	0.99	9261
macro avg	0.57	0.53	0.54	9261
weighted avg	0.99	0.99	0.99	9261
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9252
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	0.99	0.99	0.99	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	1.00	0.99	1.00	9261
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9228
Request-InformationWanted	0.00	0.00	0.00	33
micro avg	0.99	0.99	0.99	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.99	0.99	0.99	9261
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9237
CallToAction-Volunteer	0.17	0.04	0.07	24
micro avg	1.00	1.00	1.00	9261
macro avg	0.58	0.52	0.53	9261
weighted avg	1.00	1.00	1.00	9261
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	9155
CallToAction-Donations	0.22	0.35	0.27	106
micro avg	0.98	0.98	0.98	9261
macro avg	0.61	0.67	0.63	9261
weighted avg	0.98	0.98	0.98	9261
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	9158
CallToAction-MovePeople	0.00	0.00	0.00	103
micro avg	0.99	0.99	0.99	9261
macro avg	0.49	0.50	0.50	9261
weighted avg	0.98	0.99	0.98	9261
Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.94	0.96	8942
Report-FirstPartyObservation	0.08	0.14	0.10	319
micro avg	0.91	0.91	0.91	9261
macro avg	0.52	0.54	0.53	9261
weighted avg	0.94	0.91	0.93	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.84	0.91	0.87	7785	
Report-ThirdPartyObservation	0.13	0.07	0.09	1476	
micro avg	0.78	0.78	0.78	9261	
macro avg	0.49	0.49	0.48	9261	
weighted avg	0.73	0.78	0.75	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.90	0.97	0.94	8123	
Report-Weather	0.57	0.26	0.36	1138	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.73	0.62	0.65	9261	
weighted avg	0.86	0.88	0.87	9261	

Report-Location					
	precision	recall	f1-score	support	
Other Classes	0.48	0.98	0.64	4351	
Report-Location	0.75	0.06	0.11	4910	
micro avg	0.49	0.49	0.49	9261	
macro avg	0.61	0.52	0.38	9261	
weighted avg	0.62	0.49	0.36	9261	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.93	0.98	0.95	8621	
Report-EmergingThreats	0.10	0.04	0.05	640	
micro avg	0.91	0.91	0.91	9261	
macro avg	0.52	0.51	0.50	9261	
weighted avg	0.87	0.91	0.89	9261	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	0.97	0.97	9051	
Report-NewSubEvent	0.02	0.03	0.03	210	
micro avg	0.95	0.95	0.95	9261	
macro avg	0.50	0.50	0.50	9261	
weighted avg	0.96	0.95	0.95	9261	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.63	0.93	0.75	5719	
Report-MultimediaShare	0.52	0.12	0.20	3542	
micro avg	0.62	0.62	0.62	9261	
macro avg	0.58	0.53	0.47	9261	
weighted avg	0.59	0.62	0.54	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.97	0.99	0.98	8916	
Report-ServiceAvailable	0.32	0.16	0.21	345	
micro avg	0.96	0.96	0.96	9261	
macro avg	0.64	0.57	0.59	9261	
weighted avg	0.94	0.96	0.95	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.78	0.84	0.81	6019
Report-Factoid	0.65	0.56	0.60	3242
micro avg	0.74	0.74	0.74	9261
macro avg	0.71	0.70	0.70	9261
weighted avg	0.73	0.74	0.74	9261

Report-Official	precision	recall	f1-score	support
Other Classes	0.92	0.98	0.95	8486
Report-Official	0.24	0.05	0.08	775
micro avg	0.91	0.91	0.91	9261
macro avg	0.58	0.52	0.52	9261
weighted avg	0.86	0.91	0.88	9261

Report-News	precision	recall	f1-score	support
Other Classes	0.76	0.79	0.77	6421
Report-News	0.48	0.45	0.46	2840
micro avg	0.68	0.68	0.68	9261
macro avg	0.62	0.62	0.62	9261
weighted avg	0.68	0.68	0.68	9261

Report-CleanUp	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	9202
Report-CleanUp	0.00	0.00	0.00	59
micro avg	0.99	0.99	0.99	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.99	0.99	0.99	9261

Report-Hashtags	precision	recall	f1-score	support
Other Classes	0.77	0.85	0.81	6757
Report-Hashtags	0.44	0.32	0.37	2504
micro avg	0.71	0.71	0.71	9261
macro avg	0.61	0.58	0.59	9261
weighted avg	0.68	0.71	0.69	9261

Report-OriginalEvent	precision	recall	f1-score	support
Other Classes	0.92	0.97	0.94	8321
Report-OriginalEvent	0.46	0.24	0.31	940
micro avg	0.89	0.89	0.89	9261
macro avg	0.69	0.60	0.63	9261
weighted avg	0.87	0.89	0.88	9261

Other-ContextualInformation	precision	recall	f1-score	support
Other Classes	0.97	0.91	0.94	9014
Other-ContextualInformation	0.04	0.14	0.06	247
micro avg	0.89	0.89	0.89	9261
macro avg	0.51	0.52	0.50	9261
weighted avg	0.95	0.89	0.92	9261

Other-Advice	precision	recall	f1-score	support
Other Classes	0.97	0.98	0.98	8946
Other-Advice	0.17	0.09	0.12	315
micro avg	0.95	0.95	0.95	9261
macro avg	0.57	0.54	0.55	9261

weighted avg	0.94	0.95	0.95	9261
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Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.95	0.85	0.90	8481
Other-Sentiment	0.24	0.51	0.32	780
micro avg	0.82	0.82	0.82	9261
macro avg	0.59	0.68	0.61	9261
weighted avg	0.89	0.82	0.85	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.87	0.91	8805
Other-Discussion	0.03	0.07	0.04	456
micro avg	0.84	0.84	0.84	9261
macro avg	0.49	0.47	0.48	9261
weighted avg	0.90	0.84	0.87	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.69	0.79	0.74	6224
Other-Irrelevant	0.40	0.28	0.33	3037
micro avg	0.62	0.62	0.62	9261
macro avg	0.55	0.54	0.54	9261
weighted avg	0.60	0.62	0.61	9261