
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.5649082568807382
> Low Importance Alert Worth: -0.10156734113242777
> Accumulated Alert Worth: -0.333237799006583

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.18707849768387136
> Information Type Recall (positive class, multi-type, macro): 0.2078731890560044
> Information Type F1 (positive class, multi-type, macro): 0.1677293322308762
> Information Type Accuracy (overall, multi-type, macro): 0.8418270165208942
> High Importance Information Type Precision (positive class, multi-type, macro): 0.019430181143916703
> High Importance Information Type Recall (positive class, multi-type, macro): 0.013104403899240856
> High Importance Information Type F1 (positive class, multi-type, macro): 0.015111367967261253
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9582298527876758
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.24002007132806755
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.26937912121077184
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.21592447884043883
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8050682261208577

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.09111323392344314
> Priority Estimation Error High Importance (mean squared error, macro): 0.13164955134350462
> Priority Estimation Error Low Importance (mean squared error, macro): 0.07831229158026583

LATEX

IRITrun1 & -0.5649 & -0.3332 & 0.0151 & 0.1863 & 0.8418 & 0.1316 & 0.0911 \\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.18846350629240727
Information Type Recall (positive class, multi-type, macro): 0.17761726175740045
Information Type F1 (positive class, multi-type, macro): 0.15229267239691985
Information Type Accuracy (overall, multi-type, macro): 0.8457799999999999
High Importance Information Type Precision (positive class, multi-type, macro): 0.014909997831273043
High Importance Information Type Recall (positive class, multi-type, macro): 0.008363140861863396
High Importance Information Type F1 (positive class, multi-type, macro): 0.010715684628728107
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9656666666666666
Low Importance Information Type Precision (positive class, multi-type, macro): 0.24326987738539704
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2310659315138858
Low Importance Information Type F1 (positive class, multi-type, macro): 0.19700119485003306
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8079210526315789

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.18946438511275698
Information Type Recall (positive class, multi-type, macro): 0.20338175852066193
Information Type F1 (positive class, multi-type, macro): 0.15072426977406533
Information Type Accuracy (overall, multi-type, macro): 0.8206503251625813
High Importance Information Type Precision (positive class, multi-type, macro): 0.060833333333333333
High Importance Information Type Recall (positive class, multi-type, macro): 0.012575037301780076
High Importance Information Type F1 (positive class, multi-type, macro): 0.019874381238030394
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9393029848257463
Low Importance Information Type Precision (positive class, multi-type, macro): 0.23008471725362759
Low Importance Information Type Recall (positive class, multi-type, macro): 0.26363651258978255
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1920452872064974
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7831810642163187

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.13630989683436961
Information Type Recall (positive class, multi-type, macro): 0.1837790684149699
Information Type F1 (positive class, multi-type, macro): 0.13076859542704253
Information Type Accuracy (overall, multi-type, macro): 0.8659047619047618
High Importance Information Type Precision (positive class, multi-type, macro): 0.042861547949429535
High Importance Information Type Recall (positive class, multi-type, macro): 0.013368983957219251
High Importance Information Type F1 (positive class, multi-type, macro): 0.020230912476722533
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9715121136173769
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16581990174540334
Low Importance Information Type Recall (positive class, multi-type, macro): 0.23759277929636485
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1656752321481962
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.832555071890252

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.1423316303471524
Information Type Recall (positive class, multi-type, macro): 0.23344838523004388
Information Type F1 (positive class, multi-type, macro): 0.13382695882190387
Information Type Accuracy (overall, multi-type, macro): 0.846133979015335
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): 0.9721549636803873
Low Importance Information Type Precision (positive class, multi-type, macro): 0.18727846098309528
Low Importance Information Type Recall (positive class, multi-type, macro): 0.30716892793426825
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1760881037130314
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.806337878594792

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.16125858375209326
Information Type Recall (positive class, multi-type, macro): 0.19518272108672427
Information Type F1 (positive class, multi-type, macro): 0.1393046901441207
Information Type Accuracy (overall, multi-type, macro): 0.8387546330615269
High Importance Information Type Precision (positive class, multi-type, macro): 0.01821782178217822
High Importance Information Type Recall (positive class, multi-type, macro): 0.030105449569347183
High Importance Information Type F1 (positive class, multi-type, macro): 0.019077427528131755
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9430442302940448
Low Importance Information Type Precision (positive class, multi-type, macro): 0.20642935068996118
Low Importance Information Type Recall (positive class, multi-type, macro): 0.24731238577642228
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1772711941281172
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8058210760407322

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.23947714648316157
Information Type Recall (positive class, multi-type, macro): 0.22489171747325312
Information Type F1 (positive class, multi-type, macro): 0.18631448090582342
Information Type Accuracy (overall, multi-type, macro): 0.8200294550810016

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): 0.9577810505645558
Low Importance Information Type Precision (positive class, multi-type, macro): 0.31510150853047575
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2959101545700699
Low Importance Information Type F1 (positive class, multi-type, macro): 0.2451506327708203
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7765289512440896

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	0.00	0.00	0.00	38
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

Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	9252
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	0.98	0.98	0.98	9261
macro avg	0.50	0.49	0.50	9261
weighted avg	1.00	0.98	0.99	9261

Request-InformationWanted	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	9228
Request-InformationWanted	0.07	0.24	0.11	33
micro avg	0.99	0.99	0.99	9261
macro avg	0.53	0.62	0.55	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	0.00	0.00	0.00	24
micro avg	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.99	1.00	1.00	9261

CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	9155
CallToAction-Donations	0.03	0.04	0.03	106
micro avg	0.97	0.97	0.97	9261
macro avg	0.51	0.51	0.51	9261
weighted avg	0.98	0.97	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	0.88	0.92	8942
Report-FirstPartyObservation	0.07	0.24	0.11	319
micro avg	0.86	0.86	0.86	9261
macro avg	0.52	0.56	0.51	9261
weighted avg	0.94	0.86	0.89	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.86	0.75	0.81	7785	
Report-ThirdPartyObservation	0.23	0.38	0.28	1476	
micro avg	0.69	0.69	0.69	9261	
macro avg	0.54	0.57	0.54	9261	
weighted avg	0.76	0.69	0.72	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	0.96	0.92	8123	
Report-Weather	0.22	0.08	0.12	1138	
micro avg	0.85	0.85	0.85	9261	
macro avg	0.55	0.52	0.52	9261	
weighted avg	0.80	0.85	0.82	9261	

Report-Location					
	precision	recall	f1-score	support	
Other Classes	0.47	0.97	0.63	4351	
Report-Location	0.44	0.02	0.04	4910	
micro avg	0.47	0.47	0.47	9261	
macro avg	0.45	0.50	0.33	9261	
weighted avg	0.45	0.47	0.32	9261	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.93	0.96	0.94	8621	
Report-EmergingThreats	0.07	0.04	0.05	640	
micro avg	0.90	0.90	0.90	9261	
macro avg	0.50	0.50	0.50	9261	
weighted avg	0.87	0.90	0.88	9261	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	0.96	0.97	9051	
Report-NewSubEvent	0.01	0.02	0.01	210	
micro avg	0.94	0.94	0.94	9261	
macro avg	0.49	0.49	0.49	9261	
weighted avg	0.96	0.94	0.95	9261	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.77	0.69	0.73	5719	
Report-MultimediaShare	0.57	0.66	0.61	3542	
micro avg	0.68	0.68	0.68	9261	
macro avg	0.67	0.67	0.67	9261	
weighted avg	0.69	0.68	0.68	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.96	0.98	0.97	8916	
Report-ServiceAvailable	0.03	0.02	0.02	345	
micro avg	0.94	0.94	0.94	9261	
macro avg	0.50	0.50	0.50	9261	
weighted avg	0.93	0.94	0.94	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.70	0.91	0.79	6019
Report-Factoid	0.63	0.29	0.39	3242
micro avg	0.69	0.69	0.69	9261
macro avg	0.67	0.60	0.59	9261
weighted avg	0.68	0.69	0.65	9261

Report-Official	precision	recall	f1-score	support
Other Classes	0.92	0.99	0.95	8486
Report-Official	0.13	0.01	0.03	775
micro avg	0.91	0.91	0.91	9261
macro avg	0.52	0.50	0.49	9261
weighted avg	0.85	0.91	0.88	9261

Report-News	precision	recall	f1-score	support
Other Classes	0.79	0.70	0.74	6421
Report-News	0.46	0.59	0.52	2840
micro avg	0.66	0.66	0.66	9261
macro avg	0.63	0.64	0.63	9261
weighted avg	0.69	0.66	0.67	9261

Report-CleanUp	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	9201
Report-CleanUp	0.00	0.00	0.00	60
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	0.88	0.83	0.85	6757
Report-Hashtags	0.60	0.69	0.64	2504
micro avg	0.79	0.79	0.79	9261
macro avg	0.74	0.76	0.75	9261
weighted avg	0.80	0.79	0.80	9261

Report-OriginalEvent	precision	recall	f1-score	support
Other Classes	0.92	0.91	0.92	8321
Report-OriginalEvent	0.31	0.34	0.32	940
micro avg	0.85	0.85	0.85	9261
macro avg	0.61	0.62	0.62	9261
weighted avg	0.86	0.85	0.86	9261

Other-ContextualInformation	precision	recall	f1-score	support
Other Classes	0.97	0.84	0.90	9014
Other-ContextualInformation	0.03	0.18	0.05	247
micro avg	0.82	0.82	0.82	9261
macro avg	0.50	0.51	0.48	9261
weighted avg	0.95	0.82	0.88	9261

Other-Advice	precision	recall	f1-score	support
Other Classes	0.97	0.97	0.97	8946
Other-Advice	0.08	0.06	0.07	315
micro avg	0.94	0.94	0.94	9261
macro avg	0.52	0.52	0.52	9261

weighted avg	0.94	0.94	0.94	9261
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Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.96	0.66	0.78	8481
Other-Sentiment	0.16	0.72	0.26	780
micro avg	0.66	0.66	0.66	9261
macro avg	0.56	0.69	0.52	9261
weighted avg	0.89	0.66	0.74	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.82	0.88	8805
Other-Discussion	0.05	0.18	0.08	456
micro avg	0.79	0.79	0.79	9261
macro avg	0.50	0.50	0.48	9261
weighted avg	0.91	0.79	0.84	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.73	0.80	0.77	6224
Other-Irrelevant	0.50	0.40	0.44	3037
micro avg	0.67	0.67	0.67	9261
macro avg	0.62	0.60	0.61	9261
weighted avg	0.66	0.67	0.66	9261