
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.8322629969418972
> Low Importance Alert Worth: -0.01254086432339861
> Accumulated Alert Worth: -0.4224019306326479

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.2359728136735494
> Information Type Recall (positive class, multi-type, macro): 0.1555544769854887
> Information Type F1 (positive class, multi-type, macro): 0.13825194681692815
> Information Type Accuracy (overall, multi-type, macro): 0.8623733938019654
> High Importance Information Type Precision (positive class, multi-type, macro): 0.2215152284459215
> High Importance Information Type Recall (positive class, multi-type, macro): 0.10376322940503431
> High Importance Information Type F1 (positive class, multi-type, macro): 0.06419148881723732
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9600475110679193
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.24053836690332667
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.17190960780036899
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.16163945986946207
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8315289357179797

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06828587272282083
> Priority Estimation Error High Importance (mean squared error, macro): 0.10250544205837626
> Priority Estimation Error Low Importance (mean squared error, macro): 0.057479692932645425

LATEX

Informedia-rf2 & -0.8323 & -0.4224 & 0.0642 & 0.1283 & 0.8624 & 0.1025 & 0.0683 \\\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.21073517422476495
Information Type Recall (positive class, multi-type, macro): 0.1770823851280502
Information Type F1 (positive class, multi-type, macro): 0.1608891773525029
Information Type Accuracy (overall, multi-type, macro): 0.8698199999999998
High Importance Information Type Precision (positive class, multi-type, macro): 0.0720484877201295
High Importance Information Type Recall (positive class, multi-type, macro): 0.16622381195707717
High Importance Information Type F1 (positive class, multi-type, macro): 0.09607217591163253
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9558333333333332
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2545309699630709
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18051140823467327
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1813577041233041
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8426578947368422

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.21604823450653898
Information Type Recall (positive class, multi-type, macro): 0.13719578193469734
Information Type F1 (positive class, multi-type, macro): 0.1027148996365697
Information Type Accuracy (overall, multi-type, macro): 0.8253726863431716
High Importance Information Type Precision (positive class, multi-type, macro): 0.20447943487159173
High Importance Information Type Recall (positive class, multi-type, macro): 0.09288100828542896
High Importance Information Type F1 (positive class, multi-type, macro): 0.05991027201964702
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9262131065532767
Low Importance Information Type Precision (positive class, multi-type, macro): 0.219701539654417
Low Importance Information Type Recall (positive class, multi-type, macro): 0.15118992098183473
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11623215046296631
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7935283431189277

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.10544620742581287
Information Type Recall (positive class, multi-type, macro): 0.1515385407136598
Information Type F1 (positive class, multi-type, macro): 0.10136517936730147
Information Type Accuracy (overall, multi-type, macro): 0.8867568922305764
High Importance Information Type Precision (positive class, multi-type, macro): 0.007374631268436578
High Importance Information Type Recall (positive class, multi-type, macro): 0.08333333333333333
High Importance Information Type F1 (positive class, multi-type, macro): 0.013550135501355016
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9688387635756057
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13641617884393167
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17307702725481552
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12909624585128454
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8608363012795146

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.11164667930676256
Information Type Recall (positive class, multi-type, macro): 0.14968268403418575
Information Type F1 (positive class, multi-type, macro): 0.10095641191631682
Information Type Accuracy (overall, multi-type, macro): 0.8831638418079097
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): 0.9939467312348668
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14690352540363494
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19695090004498125
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13283738410041687
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8481797714625549

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.1622922409222398
Information Type Recall (positive class, multi-type, macro): 0.14307197707790148
Information Type F1 (positive class, multi-type, macro): 0.11754080086054819
Information Type Accuracy (overall, multi-type, macro): 0.8641067457375833
High Importance Information Type Precision (positive class, multi-type, macro): 0.03819444444444444
High Importance Information Type Recall (positive class, multi-type, macro): 0.07832246639298077
High Importance Information Type F1 (positive class, multi-type, macro): 0.04627922006273546
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9536693847294292
Low Importance Information Type Precision (positive class, multi-type, macro): 0.20148101875733304
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16351919097840276
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1400444579545943
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8358238071085795

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.19107921804616623
Information Type Recall (positive class, multi-type, macro): 0.14876637873006227
Information Type F1 (positive class, multi-type, macro): 0.12827502560459472
Information Type Accuracy (overall, multi-type, macro): 0.8363475699558175

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): 0.9970544918998527
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2514200237449556
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19574523517113454
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1687829284270983
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7855980156577009

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	1.00	0.03	0.05	38
micro avg	1.00	1.00	1.00	9261
macro avg	1.00	0.51	0.52	9261
weighted avg	1.00	1.00	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	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	1.00	1.00	1.00	9261
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9229
Request-InformationWanted	0.00	0.00	0.00	32
micro avg	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.99	1.00	0.99	9261
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9238
CallToAction-Volunteer	0.00	0.00	0.00	23
micro avg	1.00	1.00	1.00	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	1.00	1.00	1.00	9261
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	9155
CallToAction-Donations	0.39	0.07	0.11	106
micro avg	0.99	0.99	0.99	9261
macro avg	0.69	0.53	0.55	9261
weighted avg	0.98	0.99	0.98	9261
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	9159
CallToAction-MovePeople	0.00	0.00	0.00	102
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	0.96	0.96	8942
Report-FirstPartyObservation	0.07	0.08	0.08	319
micro avg	0.93	0.93	0.93	9261
macro avg	0.52	0.52	0.52	9261
weighted avg	0.94	0.93	0.93	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.85	0.83	0.84	7785	
Report-ThirdPartyObservation	0.18	0.20	0.19	1476	
micro avg	0.73	0.73	0.73	9261	
macro avg	0.51	0.51	0.51	9261	
weighted avg	0.74	0.73	0.74	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	1.00	0.94	8123	
Report-Weather	0.75	0.03	0.05	1138	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.81	0.51	0.49	9261	
weighted avg	0.86	0.88	0.83	9261	

Report-Location					
	precision	recall	f1-score	support	
Other Classes	0.47	1.00	0.64	4352	
Report-Location	0.00	0.00	0.00	4909	
micro avg	0.47	0.47	0.47	9261	
macro avg	0.23	0.50	0.32	9261	
weighted avg	0.22	0.47	0.30	9261	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.93	0.98	0.96	8621	
Report-EmergingThreats	0.16	0.05	0.07	640	
micro avg	0.92	0.92	0.92	9261	
macro avg	0.55	0.51	0.52	9261	
weighted avg	0.88	0.92	0.90	9261	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	1.00	0.99	9052	
Report-NewSubEvent	0.00	0.00	0.00	209	
micro avg	0.98	0.98	0.98	9261	
macro avg	0.49	0.50	0.49	9261	
weighted avg	0.96	0.98	0.97	9261	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.67	0.92	0.77	5719	
Report-MultimediaShare	0.66	0.26	0.38	3542	
micro avg	0.67	0.67	0.67	9261	
macro avg	0.67	0.59	0.57	9261	
weighted avg	0.67	0.67	0.62	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.98	0.90	0.94	8916	
Report-ServiceAvailable	0.17	0.55	0.26	345	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.58	0.72	0.60	9261	
weighted avg	0.95	0.88	0.91	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.70	0.91	0.79	6019
Report-Factoid	0.62	0.27	0.37	3242
micro avg	0.69	0.69	0.69	9261
macro avg	0.66	0.59	0.58	9261
weighted avg	0.67	0.69	0.64	9261

Report-Official	precision	recall	f1-score	support
Other Classes	0.92	1.00	0.96	8487
Report-Official	0.00	0.00	0.00	774
micro avg	0.92	0.92	0.92	9261
macro avg	0.46	0.50	0.48	9261
weighted avg	0.84	0.92	0.88	9261

Report-News	precision	recall	f1-score	support
Other Classes	0.88	0.52	0.65	6421
Report-News	0.44	0.85	0.58	2840
micro avg	0.62	0.62	0.62	9261
macro avg	0.66	0.68	0.61	9261
weighted avg	0.75	0.62	0.63	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	0.79	0.92	0.85	6757
Report-Hashtags	0.62	0.34	0.44	2504
micro avg	0.77	0.77	0.77	9261
macro avg	0.71	0.63	0.65	9261
weighted avg	0.75	0.77	0.74	9261

Report-OriginalEvent	precision	recall	f1-score	support
Other Classes	0.90	1.00	0.95	8322
Report-OriginalEvent	0.00	0.00	0.00	939
micro avg	0.90	0.90	0.90	9261
macro avg	0.45	0.50	0.47	9261
weighted avg	0.81	0.90	0.85	9261

Other-ContextualInformation	precision	recall	f1-score	support
Other Classes	0.97	0.98	0.98	9014
Other-ContextualInformation	0.03	0.02	0.03	247
micro avg	0.95	0.95	0.95	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.95	0.95	0.95	9261

Other-Advice	precision	recall	f1-score	support
Other Classes	0.97	1.00	0.98	8947
Other-Advice	0.00	0.00	0.00	314
micro avg	0.97	0.97	0.97	9261
macro avg	0.48	0.50	0.49	9261

weighted avg	0.93	0.97	0.95	9261
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Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.96	0.78	0.86	8481
Other-Sentiment	0.22	0.67	0.33	780
micro avg	0.77	0.77	0.77	9261
macro avg	0.59	0.72	0.59	9261
weighted avg	0.90	0.77	0.81	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.94	0.94	8805
Other-Discussion	0.07	0.09	0.08	456
micro avg	0.90	0.90	0.90	9261
macro avg	0.51	0.52	0.51	9261
weighted avg	0.91	0.90	0.90	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.73	0.82	0.78	6224
Other-Irrelevant	0.52	0.39	0.44	3037
micro avg	0.68	0.68	0.68	9261
macro avg	0.63	0.61	0.61	9261
weighted avg	0.66	0.68	0.67	9261