
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9793577981651376
> Low Importance Alert Worth: 0.0
> Accumulated Alert Worth: -0.4896788990825688

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.2255246222425881
> Information Type Recall (positive class, multi-type, macro): 0.14324810693687592
> Information Type F1 (positive class, multi-type, macro): 0.13610854984855847
> Information Type Accuracy (overall, multi-type, macro): 0.8637598531476084
> High Importance Information Type Precision (positive class, multi-type, macro): 0.036202185792349725
> High Importance Information Type Recall (positive class, multi-type, macro): 0.025603864734299518
> High Importance Information Type F1 (positive class, multi-type, macro): 0.029994340690435772
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9733290141453407
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.28531065480582124
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.18039892026400534
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.1696183001090183
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.829159065464114

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06646316870921311
> Priority Estimation Error High Importance (mean squared error, macro): 0.11923537861943133
> Priority Estimation Error Low Importance (mean squared error, macro): 0.04979826031651259

LATEX

Informedia-rf1 & -0.9794 & -0.4897 & 0.0300 & 0.1370 & 0.8638 & 0.1192 & 0.0665 \\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.22625971662651653
Information Type Recall (positive class, multi-type, macro): 0.15947778151031963
Information Type F1 (positive class, multi-type, macro): 0.16633740614149853
Information Type Accuracy (overall, multi-type, macro): 0.8787
High Importance Information Type Precision (positive class, multi-type, macro): 0.04575163398692811
High Importance Information Type Recall (positive class, multi-type, macro): 0.024561403508771926
High Importance Information Type F1 (positive class, multi-type, macro): 0.0319634703196347
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9754166666666667
Low Importance Information Type Precision (positive class, multi-type, macro): 0.28326226903901813
Low Importance Information Type Recall (positive class, multi-type, macro): 0.2020829535108084
Low Importance Information Type F1 (positive class, multi-type, macro): 0.2087712806115608
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8481578947368422

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.17378079020426448
Information Type Recall (positive class, multi-type, macro): 0.12217668938565981
Information Type F1 (positive class, multi-type, macro): 0.09892746034051372
Information Type Accuracy (overall, multi-type, macro): 0.8275737868934467
High Importance Information Type Precision (positive class, multi-type, macro): 0.02727272727272727
High Importance Information Type Recall (positive class, multi-type, macro): 0.021739130434782608
High Importance Information Type F1 (positive class, multi-type, macro): 0.024193548387096777
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9414707353676839
Low Importance Information Type Precision (positive class, multi-type, macro): 0.22004649428790782
Low Importance Information Type Recall (positive class, multi-type, macro): 0.15389381326488422
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1225276430626454
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7916063294805297

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.1428108169321888
Information Type Recall (positive class, multi-type, macro): 0.1362637707684388
Information Type F1 (positive class, multi-type, macro): 0.09781824305801448
Information Type Accuracy (overall, multi-type, macro): 0.8825062656641606
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): 0.9781119465329992
Low Importance Information Type Precision (positive class, multi-type, macro): 0.18790896964761686
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17929443522163
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12870821455001905
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8523149980213691

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.10304784915845339
Information Type Recall (positive class, multi-type, macro): 0.1597424892748225
Information Type F1 (positive class, multi-type, macro): 0.09526331347594441
Information Type Accuracy (overall, multi-type, macro): 0.8717029862792574
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): 0.9986548291633036
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1355892752084913
Low Importance Information Type Recall (positive class, multi-type, macro): 0.21018748588792435
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12534646509992686
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.831612930631664

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.16876146887963153
Information Type Recall (positive class, multi-type, macro): 0.15126726125778484
Information Type F1 (positive class, multi-type, macro): 0.13107883149671473
Information Type Accuracy (overall, multi-type, macro): 0.871578947368421
High Importance Information Type Precision (positive class, multi-type, macro): 0.05223880597014926
High Importance Information Type Recall (positive class, multi-type, macro): 0.03465346534653465
High Importance Information Type F1 (positive class, multi-type, macro): 0.04166666666666666
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9745490486780332
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2055580992720996
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18809267049291653
Low Importance Information Type F1 (positive class, multi-type, macro): 0.15931425196936153
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8390620732706487

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.18889588588849004
Information Type Recall (positive class, multi-type, macro): 0.14778098133924072
Information Type F1 (positive class, multi-type, macro): 0.13699944175603318
Information Type Accuracy (overall, multi-type, macro): 0.8411782032400589

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): 0.9982817869415808
Low Importance Information Type Precision (positive class, multi-type, macro): 0.24854721827432902
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19444865965689567
Low Importance Information Type F1 (positive class, multi-type, macro): 0.18026242336320156
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7915665452290521

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	9224
Request-GoodsServices	0.00	0.00	0.00	37
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
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	9253
Request-SearchAndRescue	0.00	0.00	0.00	8
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	0.45	0.12	0.19	106
micro avg	0.99	0.99	0.99	9261
macro avg	0.72	0.56	0.59	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	0.94	0.95	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	0.92	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.83	0.82	0.83	7785	
Report-ThirdPartyObservation	0.13	0.14	0.13	1476	
micro avg	0.71	0.71	0.71	9261	
macro avg	0.48	0.48	0.48	9261	
weighted avg	0.72	0.71	0.72	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	1.00	0.94	8123	
Report-Weather	0.71	0.02	0.04	1138	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.79	0.51	0.49	9261	
weighted avg	0.86	0.88	0.82	9261	

Report-Location					
	precision	recall	f1-score	support	
Other Classes	0.47	1.00	0.64	4351	
Report-Location	0.91	0.00	0.00	4910	
micro avg	0.47	0.47	0.47	9261	
macro avg	0.69	0.50	0.32	9261	
weighted avg	0.70	0.47	0.30	9261	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.93	1.00	0.96	8621	
Report-EmergingThreats	0.00	0.00	0.00	640	
micro avg	0.93	0.93	0.93	9261	
macro avg	0.47	0.50	0.48	9261	
weighted avg	0.87	0.93	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	0.70	0.85	0.77	5719	
Report-MultimediaShare	0.63	0.40	0.49	3542	
micro avg	0.68	0.68	0.68	9261	
macro avg	0.66	0.63	0.63	9261	
weighted avg	0.67	0.68	0.66	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.97	0.98	0.97	8916	
Report-ServiceAvailable	0.22	0.15	0.18	345	
micro avg	0.95	0.95	0.95	9261	
macro avg	0.59	0.57	0.58	9261	
weighted avg	0.94	0.95	0.94	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.71	0.90	0.79	6019
Report-Factoid	0.63	0.33	0.44	3242
micro avg	0.70	0.70	0.70	9261
macro avg	0.67	0.61	0.62	9261
weighted avg	0.69	0.70	0.67	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	0.87	0.49	0.63	6421
Report-News	0.42	0.83	0.56	2840
micro avg	0.59	0.59	0.59	9261
macro avg	0.64	0.66	0.59	9261
weighted avg	0.73	0.59	0.60	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	0.82	0.90	0.85	6757
Report-Hashtags	0.62	0.46	0.53	2504
micro avg	0.78	0.78	0.78	9261
macro avg	0.72	0.68	0.69	9261
weighted avg	0.76	0.78	0.77	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	0.95	0.96	9014
Other-ContextualInformation	0.03	0.06	0.04	247
micro avg	0.93	0.93	0.93	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.95	0.93	0.94	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	0.80	0.87	8481
Other-Sentiment	0.22	0.61	0.32	780
micro avg	0.78	0.78	0.78	9261
macro avg	0.59	0.70	0.60	9261
weighted avg	0.89	0.78	0.83	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.92	0.94	8805
Other-Discussion	0.06	0.10	0.08	456
micro avg	0.88	0.88	0.88	9261
macro avg	0.51	0.51	0.51	9261
weighted avg	0.91	0.88	0.89	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.70	0.91	0.79	6224
Other-Irrelevant	0.53	0.22	0.31	3037
micro avg	0.68	0.68	0.68	9261
macro avg	0.62	0.56	0.55	9261
weighted avg	0.65	0.68	0.63	9261