
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9605187319884724
> Low Importance Alert Worth: -0.005619357443954497
> Accumulated Alert Worth: -0.4830690447162134

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.11570266044161444
> Information Type Recall (positive class, multi-type, macro): 0.02439271871684875
> Information Type F1 (positive class, multi-type, macro): 0.03639164107770859
> Information Type Accuracy (overall, multi-type, macro): 0.9038621081128285
> 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): 0.9804602218146886
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.1542702139221526
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.03252362495579833
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.048522188103611454
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8783294035455419

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.07434743607093196
> Priority Estimation Error High Importance (mean squared error, macro): 0.17518194523973532
> Priority Estimation Error Low Importance (mean squared error, macro): 0.040735933014664175

LATEX

SC-KRun2624435 & -0.9605 & -0.4831 & 0.0000 & 0.0386 & 0.9039 & 0.1752 & 0.0743 \\\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.04710144927536231
Information Type Recall (positive class, multi-type, macro): 0.014508290451686676
Information Type F1 (positive class, multi-type, macro): 0.013200894392844857
Information Type Accuracy (overall, multi-type, macro): 0.9482647814910027
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): 0.9965724078834618
Low Importance Information Type Precision (positive class, multi-type, macro): 0.06280193236714976
Low Importance Information Type Recall (positive class, multi-type, macro): 0.019344387268915568
Low Importance Information Type F1 (positive class, multi-type, macro): 0.017601192523793142
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.9321622393601829

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.09808612440191387
Information Type Recall (positive class, multi-type, macro): 0.012394957983193277
Information Type F1 (positive class, multi-type, macro): 0.018781874401234532
Information Type Accuracy (overall, multi-type, macro): 0.8930446194225721
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): 0.9829396325459318
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13078149920255183
Low Importance Information Type Recall (positive class, multi-type, macro): 0.016526610644257703
Low Importance Information Type F1 (positive class, multi-type, macro): 0.025042499201646043
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.863079615048119

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.14821425942749472
Information Type Recall (positive class, multi-type, macro): 0.04344271884466828
Information Type F1 (positive class, multi-type, macro): 0.0543021592705098
Information Type Accuracy (overall, multi-type, macro): 0.9075794291868605
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): 0.9970382337102853
Low Importance Information Type Precision (positive class, multi-type, macro): 0.19761901256999295
Low Importance Information Type Recall (positive class, multi-type, macro): 0.05792362512622437
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07240287902734639
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8777598276790523

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.07664407986751519
Information Type Recall (positive class, multi-type, macro): 0.011175269906661608
Information Type F1 (positive class, multi-type, macro): 0.01794701337148584
Information Type Accuracy (overall, multi-type, macro): 0.9083633453381351
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): 0.9763238628784848
Low Importance Information Type Precision (positive class, multi-type, macro): 0.10219210649002025
Low Importance Information Type Recall (positive class, multi-type, macro): 0.01490035987554881
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02392935116198112
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.885709839491352

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.06727469732746523
Information Type Recall (positive class, multi-type, macro): 0.024432812610783287
Information Type F1 (positive class, multi-type, macro): 0.019635981640366073
Information Type Accuracy (overall, multi-type, macro): 0.9117708333333335
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): 0.9981666666666668
Low Importance Information Type Precision (positive class, multi-type, macro): 0.08969959643662032
Low Importance Information Type Recall (positive class, multi-type, macro): 0.032577083481044385
Low Importance Information Type F1 (positive class, multi-type, macro): 0.02618130885382143
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8829722222222222

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.12632958894409616
Information Type Recall (positive class, multi-type, macro): 0.023616278935966475
Information Type F1 (positive class, multi-type, macro): 0.03861832609340803
Information Type Accuracy (overall, multi-type, macro): 0.8812291666666668

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): 0.9595000000000001
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16843945192546153
Low Importance Information Type Recall (positive class, multi-type, macro): 0.03148837191462197
Low Importance Information Type F1 (positive class, multi-type, macro): 0.05149110145787738
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8551388888888889

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	7612
Request-GoodsServices	0.00	0.00	0.00	22
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	1.00	1.00	7634

Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7624
Request-SearchAndRescue	0.00	0.00	0.00	10
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	1.00	1.00	1.00	7634

Request-InformationWanted	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	7564
Request-InformationWanted	0.00	0.00	0.00	70
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.99	0.99	7634

CallToAction-Volunteer	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7611
CallToAction-Volunteer	0.00	0.00	0.00	23
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	1.00	1.00	7634

CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7557
CallToAction-Donations	0.00	0.00	0.00	77
micro avg	0.99	0.99	0.99	7634
macro avg	0.49	0.50	0.50	7634
weighted avg	0.98	0.99	0.98	7634

CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7527
CallToAction-MovePeople	0.00	0.00	0.00	107
micro avg	0.99	0.99	0.99	7634
macro avg	0.49	0.50	0.50	7634
weighted avg	0.97	0.99	0.98	7634

Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.94	0.99	0.96	7150
Report-FirstPartyObservation	0.07	0.01	0.02	484
micro avg	0.93	0.93	0.93	7634
macro avg	0.50	0.50	0.49	7634
weighted avg	0.88	0.93	0.90	7634

Report-ThirdPartyObservation	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	7317
Report-ThirdPartyObservation	0.06	0.00	0.01	317
micro avg	0.96	0.96	0.96	7634
macro avg	0.51	0.50	0.49	7634
weighted avg	0.92	0.96	0.94	7634

Report-Weather	precision	recall	f1-score	support
Other Classes	0.96	1.00	0.98	7335
Report-Weather	0.00	0.00	0.00	299
micro avg	0.96	0.96	0.96	7634
macro avg	0.48	0.50	0.49	7634
weighted avg	0.92	0.96	0.94	7634

Report-EmergingThreats	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	7169
Report-EmergingThreats	0.00	0.00	0.00	465
micro avg	0.94	0.94	0.94	7634
macro avg	0.47	0.50	0.48	7634
weighted avg	0.88	0.94	0.91	7634

Report-NewSubEvent	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	7493
Report-NewSubEvent	0.00	0.00	0.00	141
micro avg	0.98	0.98	0.98	7634
macro avg	0.49	0.50	0.50	7634
weighted avg	0.96	0.98	0.97	7634

Report-MultimediaShare	precision	recall	f1-score	support
Other Classes	0.79	0.99	0.88	6034
Report-MultimediaShare	0.28	0.02	0.03	1600
micro avg	0.78	0.78	0.78	7634
macro avg	0.53	0.50	0.45	7634
weighted avg	0.68	0.78	0.70	7634

Report-ServiceAvailable	precision	recall	f1-score	support
Other Classes	0.98	1.00	0.99	7485
Report-ServiceAvailable	0.00	0.00	0.00	149
micro avg	0.98	0.98	0.98	7634
macro avg	0.49	0.50	0.50	7634
weighted avg	0.96	0.98	0.97	7634

Report-Factoid	precision	recall	f1-score	support
Other Classes	0.87	1.00	0.93	6625
Report-Factoid	0.00	0.00	0.00	1009
micro avg	0.87	0.87	0.87	7634
macro avg	0.43	0.50	0.46	7634
weighted avg	0.75	0.87	0.81	7634

Report-Official	precision	recall	f1-score	support
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Other Classes	0.97	1.00	0.98	7405
Report-Official	0.00	0.00	0.00	229
micro avg	0.97	0.97	0.97	7634
macro avg	0.49	0.50	0.49	7634
weighted avg	0.94	0.97	0.96	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.81	0.99	0.89	6158
Report-News	0.47	0.05	0.09	1476
micro avg	0.81	0.81	0.81	7634
macro avg	0.64	0.52	0.49	7634
weighted avg	0.75	0.81	0.74	7634

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	0.99	1.00	1.00	7560
Report-CleanUp	0.00	0.00	0.00	74
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.99	0.99	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.54	0.95	0.69	3789
Report-Hashtags	0.82	0.21	0.34	3845
micro avg	0.58	0.58	0.58	7634
macro avg	0.68	0.58	0.51	7634
weighted avg	0.68	0.58	0.51	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.88	1.00	0.94	6750
Report-OriginalEvent	0.00	0.00	0.00	884
micro avg	0.88	0.88	0.88	7634
macro avg	0.44	0.50	0.47	7634
weighted avg	0.78	0.88	0.83	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.91	0.94	7364
Other-ContextualInformation	0.02	0.06	0.03	270
micro avg	0.88	0.88	0.88	7634
macro avg	0.49	0.48	0.48	7634
weighted avg	0.93	0.88	0.90	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.94	1.00	0.97	7183
Other-Advice	0.17	0.00	0.00	451
micro avg	0.94	0.94	0.94	7634
macro avg	0.55	0.50	0.49	7634
weighted avg	0.90	0.94	0.91	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.78	0.94	0.85	5844
Other-Sentiment	0.41	0.15	0.22	1790
micro avg	0.75	0.75	0.75	7634
macro avg	0.60	0.54	0.53	7634

weighted avg	0.70	0.75	0.70	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.92	0.96	0.94	7064
Other-Discussion	0.04	0.02	0.03	570
micro avg	0.89	0.89	0.89	7634
macro avg	0.48	0.49	0.49	7634
weighted avg	0.86	0.89	0.87	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.66	0.96	0.78	5013
Other-Irrelevant	0.44	0.06	0.11	2621
micro avg	0.65	0.65	0.65	7634
macro avg	0.55	0.51	0.45	7634
weighted avg	0.59	0.65	0.55	7634