
EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.3979357798165112
> Low Importance Alert Worth: -0.22272052634778805
> Accumulated Alert Worth: -0.3103281530821496

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.09329178591469406
> Information Type Recall (positive class, multi-type, macro): 0.21415825476987876
> Information Type F1 (positive class, multi-type, macro): 0.08715628063706828
> Information Type Accuracy (overall, multi-type, macro): 0.728495842781557
> High Importance Information Type Precision (positive class, multi-type, macro): 0.018809443341720865
> High Importance Information Type Recall (positive class, multi-type, macro): 0.28489583333333335
> High Importance Information Type F1 (positive class, multi-type, macro): 0.03474569991447845
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.7249217147176331
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.11681252567458034
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.1918200720656299
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.10370699033893874
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7296245148017436

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.14510467125495446
> Priority Estimation Error High Importance (mean squared error, macro): 0.12537900420044748
> Priority Estimation Error Low Importance (mean squared error, macro): 0.1513338292721672

LATEX

ict_dl & -0.3979 & -0.3103 & 0.0347 & 0.0787 & 0.7285 & 0.1254 & 0.1451 \\\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.11875393343790043
Information Type Recall (positive class, multi-type, macro): 0.21927480533409416
Information Type F1 (positive class, multi-type, macro): 0.09229235719965785
Information Type Accuracy (overall, multi-type, macro): 0.7203799999999998
High Importance Information Type Precision (positive class, multi-type, macro): 0.017592525399129172
High Importance Information Type Recall (positive class, multi-type, macro): 0.29611650485436897
High Importance Information Type F1 (positive class, multi-type, macro): 0.033121205919370095
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7210833333333334
Low Importance Information Type Precision (positive class, multi-type, macro): 0.15069964123961768
Low Importance Information Type Recall (positive class, multi-type, macro): 0.19500900548558636
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11097798391974872
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7201578947368422

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.10678460900541906
Information Type Recall (positive class, multi-type, macro): 0.20957045754548084
Information Type F1 (positive class, multi-type, macro): 0.09741701196727634
Information Type Accuracy (overall, multi-type, macro): 0.7192996498249125
High Importance Information Type Precision (positive class, multi-type, macro): 0.042682499243058
High Importance Information Type Recall (positive class, multi-type, macro): 0.29050279329608936
High Importance Information Type F1 (positive class, multi-type, macro): 0.07133823712404418
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7265299316324828
Low Importance Information Type Precision (positive class, multi-type, macro): 0.12702738050932255
Low Importance Information Type Recall (positive class, multi-type, macro): 0.18401287783476236
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10565241454934964
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7170164029383111

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.0695015832310773
Information Type Recall (positive class, multi-type, macro): 0.2184527797320039
Information Type F1 (positive class, multi-type, macro): 0.06693534918475268
Information Type Accuracy (overall, multi-type, macro): 0.7322907268170425
High Importance Information Type Precision (positive class, multi-type, macro): 0.01151918257181415
High Importance Information Type Recall (positive class, multi-type, macro): 0.2676767676767677
High Importance Information Type F1 (positive class, multi-type, macro): 0.020986181888274478
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7157059314954051
Low Importance Information Type Precision (positive class, multi-type, macro): 0.08781181501821303
Low Importance Information Type Recall (positive class, multi-type, macro): 0.20290836248628893
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08144561254153523
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7375280306028228

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.07549285642877299
Information Type Recall (positive class, multi-type, macro): 0.17604810648235222
Information Type F1 (positive class, multi-type, macro): 0.06066034684917108
Information Type Accuracy (overall, multi-type, macro): 0.7522841000807103
High Importance Information Type Precision (positive class, multi-type, macro): 0.000393718742560243
High Importance Information Type Recall (positive class, multi-type, macro): 0.19444444444444445
High Importance Information Type F1 (positive class, multi-type, macro): 0.0007824278874032838
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7409200968523001
Low Importance Information Type Precision (positive class, multi-type, macro): 0.09920837359284017
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17023873659958624
Low Importance Information Type F1 (positive class, multi-type, macro): 0.07956916336341355
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7558727326791557

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.09780439218662737
Information Type Recall (positive class, multi-type, macro): 0.21657884240371622
Information Type F1 (positive class, multi-type, macro): 0.07897820197736229
Information Type Accuracy (overall, multi-type, macro): 0.7382060785767234
High Importance Information Type Precision (positive class, multi-type, macro): 0.01732229723781094
High Importance Information Type Recall (positive class, multi-type, macro): 0.2764227642276423
High Importance Information Type F1 (positive class, multi-type, macro): 0.03249674132006162
High Importance Information Type Accuracy (overall, multi-type, macro): 0.7220163083765753
Low Importance Information Type Precision (positive class, multi-type, macro): 0.12321979059151675
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1976807618277396
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0936565579744046
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7433186375872967

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.12714468484228494
Information Type Recall (positive class, multi-type, macro): 0.12204849521337761
Information Type F1 (positive class, multi-type, macro): 0.07870822462907265
Information Type Accuracy (overall, multi-type, macro): 0.7056259204712815

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): 0.7351497299950909
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16729563795037491
Low Importance Information Type Recall (positive class, multi-type, macro): 0.16059012528076003
Low Importance Information Type F1 (positive class, multi-type, macro): 0.10356345345930612
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.6963026122006045

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	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	0.97	0.98	9252
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	0.97	0.97	0.97	9261
macro avg	0.50	0.49	0.49	9261
weighted avg	1.00	0.97	0.98	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	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	0.00	0.00	0.00	106
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

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	0.80	0.88	8942
Report-FirstPartyObservation	0.05	0.32	0.09	319
micro avg	0.78	0.78	0.78	9261
macro avg	0.51	0.56	0.48	9261
weighted avg	0.94	0.78	0.85	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	1.00	0.00	0.00	7785	
Report-ThirdPartyObservation	0.16	1.00	0.27	1476	
micro avg	0.16	0.16	0.16	9261	
macro avg	0.58	0.50	0.14	9261	
weighted avg	0.87	0.16	0.04	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	1.00	0.93	8123	
Report-Weather	0.00	0.00	0.00	1138	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.44	0.50	0.47	9261	
weighted avg	0.77	0.88	0.82	9261	

Report-Location					
	precision	recall	f1-score	support	
Other Classes	0.47	0.99	0.64	4351	
Report-Location	0.53	0.01	0.01	4910	
micro avg	0.47	0.47	0.47	9261	
macro avg	0.50	0.50	0.33	9261	
weighted avg	0.50	0.47	0.31	9261	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.94	0.36	0.52	8621	
Report-EmergingThreats	0.08	0.71	0.14	640	
micro avg	0.38	0.38	0.38	9261	
macro avg	0.51	0.53	0.33	9261	
weighted avg	0.88	0.38	0.49	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	0.64	0.49	0.56	5719	
Report-MultimediaShare	0.41	0.56	0.47	3542	
micro avg	0.52	0.52	0.52	9261	
macro avg	0.52	0.53	0.51	9261	
weighted avg	0.55	0.52	0.52	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.00	0.00	0.00	8916	
Report-ServiceAvailable	0.04	1.00	0.07	345	
micro avg	0.04	0.04	0.04	9261	
macro avg	0.02	0.50	0.04	9261	
weighted avg	0.00	0.04	0.00	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.63	0.66	0.65	6019
Report-Factoid	0.30	0.27	0.29	3242
micro avg	0.53	0.53	0.53	9261
macro avg	0.47	0.47	0.47	9261
weighted avg	0.51	0.53	0.52	9261

Report-Official	precision	recall	f1-score	support
Other Classes	0.91	0.89	0.90	8486
Report-Official	0.05	0.06	0.05	775
micro avg	0.82	0.82	0.82	9261
macro avg	0.48	0.47	0.48	9261
weighted avg	0.84	0.82	0.83	9261

Report-News	precision	recall	f1-score	support
Other Classes	0.69	1.00	0.82	6421
Report-News	0.00	0.00	0.00	2840
micro avg	0.69	0.69	0.69	9261
macro avg	0.35	0.50	0.41	9261
weighted avg	0.48	0.69	0.57	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	0.69	0.58	0.63	6757
Report-Hashtags	0.21	0.29	0.24	2504
micro avg	0.50	0.50	0.50	9261
macro avg	0.45	0.44	0.44	9261
weighted avg	0.56	0.50	0.53	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	1.00	0.99	9015
Other-ContextualInformation	0.00	0.00	0.00	246
micro avg	0.97	0.97	0.97	9261
macro avg	0.49	0.50	0.49	9261
weighted avg	0.95	0.97	0.96	9261

Other-Advice	precision	recall	f1-score	support
Other Classes	0.96	0.78	0.86	8946
Other-Advice	0.02	0.16	0.04	315
micro avg	0.76	0.76	0.76	9261
macro avg	0.49	0.47	0.45	9261

weighted avg	0.93	0.76	0.83	9261
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Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.93	0.70	0.80	8481
Other-Sentiment	0.11	0.40	0.17	780
micro avg	0.68	0.68	0.68	9261
macro avg	0.52	0.55	0.49	9261
weighted avg	0.86	0.68	0.75	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.63	0.76	8805
Other-Discussion	0.05	0.40	0.09	456
micro avg	0.62	0.62	0.62	9261
macro avg	0.50	0.52	0.43	9261
weighted avg	0.91	0.62	0.73	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.67	0.82	0.74	6224
Other-Irrelevant	0.33	0.18	0.23	3037
micro avg	0.61	0.61	0.61	9261
macro avg	0.50	0.50	0.49	9261
weighted avg	0.56	0.61	0.57	9261