

TREC-IS 2019-B Notebook Evaluator v2.3
Run: runl_baseline (runl_baseline)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.9783639143730887
> Low Importance Alert Worth: -0.0006972335308480488
> Accumulated Alert Worth: -0.48953057395196836

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.1335245597270673
> Information Type Recall (positive class, multi-type, macro): 0.021090135813674752
> Information Type F1 (positive class, multi-type, macro): 0.030287454992941148
> Information Type Accuracy (overall, multi-type, macro): 0.8753439153439153
> High Importance Information Type Precision (positive class, multi-type, macro): 0.0827409410886175
> High Importance Information Type Recall (positive class, multi-type, macro): 0.027964087504359598
> High Importance Information Type F1 (positive class, multi-type, macro): 0.03863666614801673
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9713673829320087
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.14956149192868304
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.018919414227142696
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.027650861996601488
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8450207150529385

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.11500281975229522
> Priority Estimation Error High Importance (mean squared error, macro): 0.20668254352565937
> Priority Estimation Error Low Importance (mean squared error, macro): 0.0860513280343907

LATEX

runl_baseline & -0.9784 & -0.4895 & 0.0386 & 0.0000 & 0.8753 & 0.2067 & 0.1150 \\\

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

albertaWildfires2019

Information Type Precision (positive class, multi-type, macro): 0.12946764622541018
Information Type Recall (positive class, multi-type, macro): 0.025414368432493464
Information Type F1 (positive class, multi-type, macro): 0.03665840163009012
Information Type Accuracy (overall, multi-type, macro): 0.864079999999997
High Importance Information Type Precision (positive class, multi-type, macro): 0.06642512077294686
High Importance Information Type Recall (positive class, multi-type, macro): 0.03350020226537217
High Importance Information Type F1 (positive class, multi-type, macro): 0.044512096681196524
High Importance Information Type Accuracy (overall, multi-type, macro): 0.96975
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14937581215776705
Low Importance Information Type Recall (positive class, multi-type, macro): 0.022860947222110715
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03417828740342494
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8307105263157895

cycloneKenneth2019

Information Type Precision (positive class, multi-type, macro): 0.1252626297006828
Information Type Recall (positive class, multi-type, macro): 0.01687536210148693
Information Type F1 (positive class, multi-type, macro): 0.02575883202143233
Information Type Accuracy (overall, multi-type, macro): 0.8531065532766385
High Importance Information Type Precision (positive class, multi-type, macro): 0.08585858585858586
High Importance Information Type Recall (positive class, multi-type, macro): 0.013756318169725992
High Importance Information Type F1 (positive class, multi-type, macro): 0.022694464521107918
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9438886109721528
Low Importance Information Type Precision (positive class, multi-type, macro): 0.13770601196660814
Low Importance Information Type Recall (positive class, multi-type, macro): 0.01786032334309565
Low Importance Information Type F1 (positive class, multi-type, macro): 0.026726527021534774
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8244385350570022

philippinesEarthquake2019

Information Type Precision (positive class, multi-type, macro): 0.08226324697812445
Information Type Recall (positive class, multi-type, macro): 0.01689272998258977
Information Type F1 (positive class, multi-type, macro): 0.015774172389775715
Information Type Accuracy (overall, multi-type, macro): 0.9108370927318298
High Importance Information Type Precision (positive class, multi-type, macro): 0.045321637426900575
High Importance Information Type Recall (positive class, multi-type, macro): 0.005793226381461676
High Importance Information Type F1 (positive class, multi-type, macro): 0.010139271502907866
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9741019214703425
Low Importance Information Type Precision (positive class, multi-type, macro): 0.09392901841535305
Low Importance Information Type Recall (positive class, multi-type, macro): 0.020397836382946007
Low Importance Information Type F1 (positive class, multi-type, macro): 0.017553614775102408
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8908587257617728

coloradoStemShooting2019

Information Type Precision (positive class, multi-type, macro): 0.012666666666666666
Information Type Recall (positive class, multi-type, macro): 0.00937799043062201
Information Type F1 (positive class, multi-type, macro): 0.00738069989395461
Information Type Accuracy (overall, multi-type, macro): 0.9032768361581921
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): 0.016666666666666666
Low Importance Information Type Recall (positive class, multi-type, macro): 0.012339461092923698
Low Importance Information Type F1 (positive class, multi-type, macro): 0.009711447228888765
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8731574699460517

southAfricaFloods2019

Information Type Precision (positive class, multi-type, macro): 0.1362956340956341
Information Type Recall (positive class, multi-type, macro): 0.017558784577194998
Information Type F1 (positive class, multi-type, macro): 0.020964008339613295
Information Type Accuracy (overall, multi-type, macro): 0.8803261675315049
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): 0.9715838893007166
Low Importance Information Type Precision (positive class, multi-type, macro): 0.17933636065215014
Low Importance Information Type Recall (positive class, multi-type, macro): 0.02310366391736184
Low Importance Information Type F1 (positive class, multi-type, macro): 0.027584221499491177
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8515079396043854

sandiegoSynagogueShooting2019

Information Type Precision (positive class, multi-type, macro): 0.0
Information Type Recall (positive class, multi-type, macro): 0.0
Information Type F1 (positive class, multi-type, macro): 0.0
Information Type Accuracy (overall, multi-type, macro): 0.8088365243004416

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): 0.998772704958272
Low Importance Information Type Precision (positive class, multi-type, macro): 0.0
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0
Low Importance Information Type F1 (positive class, multi-type, macro): 0.0
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.7488566777769164

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

Request-GoodsServices				
	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	9223
Request-GoodsServices	0.02	0.03	0.02	38
micro avg	0.99	0.99	0.99	9261
macro avg	0.51	0.51	0.51	9261
weighted avg	0.99	0.99	0.99	9261
Request-SearchAndRescue				
	precision	recall	f1-score	support
Other Classes	1.00	0.99	0.99	9252
Request-SearchAndRescue	0.00	0.00	0.00	9
micro avg	0.99	0.99	0.99	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	1.00	0.99	0.99	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	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	1.00	0.99	9155
CallToAction-Donations	0.25	0.02	0.04	106
micro avg	0.99	0.99	0.99	9261
macro avg	0.62	0.51	0.51	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	9158
CallToAction-MovePeople	0.24	0.11	0.15	103
micro avg	0.99	0.99	0.99	9261
macro avg	0.62	0.55	0.57	9261
weighted avg	0.98	0.99	0.98	9261
Report-FirstPartyObservation				
	precision	recall	f1-score	support
Other Classes	0.97	0.99	0.98	8942
Report-FirstPartyObservation	0.04	0.01	0.02	319
micro avg	0.96	0.96	0.96	9261
macro avg	0.50	0.50	0.50	9261
weighted avg	0.93	0.96	0.95	9261

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.84	0.99	0.91	7785	
Report-ThirdPartyObservation	0.12	0.01	0.01	1476	
micro avg	0.83	0.83	0.83	9261	
macro avg	0.48	0.50	0.46	9261	
weighted avg	0.73	0.83	0.77	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	0.99	0.93	8123	
Report-Weather	0.45	0.06	0.11	1138	
micro avg	0.88	0.88	0.88	9261	
macro avg	0.67	0.53	0.52	9261	
weighted avg	0.83	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	0.99	0.96	8621	
Report-EmergingThreats	0.12	0.02	0.03	640	
micro avg	0.92	0.92	0.92	9261	
macro avg	0.53	0.50	0.49	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	9051	
Report-NewSubEvent	0.11	0.02	0.03	210	
micro avg	0.97	0.97	0.97	9261	
macro avg	0.54	0.51	0.51	9261	
weighted avg	0.96	0.97	0.97	9261	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.62	0.99	0.76	5719	
Report-MultimediaShare	0.65	0.03	0.06	3542	
micro avg	0.62	0.62	0.62	9261	
macro avg	0.63	0.51	0.41	9261	
weighted avg	0.63	0.62	0.50	9261	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.96	1.00	0.98	8917	
Report-ServiceAvailable	0.00	0.00	0.00	344	
micro avg	0.96	0.96	0.96	9261	
macro avg	0.48	0.50	0.49	9261	
weighted avg	0.93	0.96	0.94	9261	

Report-Factoid					
	precision	recall	f1-score	support	

Other Classes	0.65	1.00	0.79	6019
Report-Factoid	0.25	0.00	0.00	3242
micro avg	0.65	0.65	0.65	9261
macro avg	0.45	0.50	0.39	9261
weighted avg	0.51	0.65	0.51	9261

Report-Official	precision	recall	f1-score	support
Other Classes	0.92	1.00	0.96	8486
Report-Official	0.20	0.00	0.00	775
micro avg	0.92	0.92	0.92	9261
macro avg	0.56	0.50	0.48	9261
weighted avg	0.86	0.92	0.88	9261

Report-News	precision	recall	f1-score	support
Other Classes	0.69	1.00	0.82	6421
Report-News	0.50	0.00	0.00	2840
micro avg	0.69	0.69	0.69	9261
macro avg	0.60	0.50	0.41	9261
weighted avg	0.63	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	0.73	1.00	0.84	6758
Report-Hashtags	0.00	0.00	0.00	2503
micro avg	0.73	0.73	0.73	9261
macro avg	0.36	0.50	0.42	9261
weighted avg	0.53	0.73	0.62	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	0.97	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	0.92	0.96	0.94	8481
Other-Sentiment	0.25	0.14	0.18	780
micro avg	0.89	0.89	0.89	9261
macro avg	0.59	0.55	0.56	9261
weighted avg	0.87	0.89	0.88	9261

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	0.97	0.96	8805
Other-Discussion	0.14	0.09	0.11	456
micro avg	0.93	0.93	0.93	9261
macro avg	0.55	0.53	0.53	9261
weighted avg	0.91	0.93	0.92	9261

Other-Irrelevant

	precision	recall	f1-score	support
Other Classes	0.67	1.00	0.80	6224
Other-Irrelevant	0.00	0.00	0.00	3037
micro avg	0.67	0.67	0.67	9261
macro avg	0.34	0.50	0.40	9261
weighted avg	0.45	0.67	0.54	9261