

TREC-IS 2019-B Notebook Evaluator v2.3  
Run: cbnuS1 (cbnuS1)

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EVALUATOR: Alertng Performance  
Overall performance  
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> High Importance Alert Worth: 0.293807339449548  
> Low Importance Alert Worth: -0.5548477479894309  
> Accumulated Alert Worth: -0.13052020426994146

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EVALUATOR: Information Type Categorization  
Overall performance  
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> 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): 0.8787819889860708  
> 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): 0.9759025303242991  
> 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): 0.8481123443529459

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EVALUATOR: Information Priority Level  
Overall Performance  
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> Priority Estimation Error (mean squared error, macro): 0.29299913754071816  
> Priority Estimation Error High Importance (mean squared error, macro): 0.14675965442356054  
> Priority Estimation Error Low Importance (mean squared error, macro): 0.33918002694613636

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LATEX  
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cbnuS1 & 0.2938 & -0.1305 & 0.0000 & 0.0000 & 0.8788 & 0.1468 & 0.2930 \\  
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EVALUATOR: Information Type Categorization (Multi-type)  
Per Event Performance  
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albertaWildfires2019

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): 0.8685399999999999  
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): 0.9774166666666666  
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): 0.8341578947368421

cycloneKenneth2019

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): 0.8565482741370686  
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): 0.9477238619309656  
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): 0.8277559832547853

philippinesEarthquake2019

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): 0.9155087719298245  
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): 0.979030910609858  
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): 0.8954491491887613

coloradoStemShooting2019

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): 0.9047619047619048  
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): 0.9993274145816519  
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): 0.8748991121872477

southAfricaFloods2019

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): 0.8838547071905114  
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): 0.977761304670126  
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): 0.854199992196949

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): 0.8090132547864506

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): 0.749089217890086

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EVALUATOR: Information Type Categorization (Multi-type)  
Per Information Type Performance  
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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	9156
CallToAction-Donations	0.00	0.00	0.00	105
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	1.00	0.98	8943
Report-FirstPartyObservation	0.00	0.00	0.00	318
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

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.84	1.00	0.91	7786	
Report-ThirdPartyObservation	0.00	0.00	0.00	1475	
micro avg	0.84	0.84	0.84	9261	
macro avg	0.42	0.50	0.46	9261	
weighted avg	0.71	0.84	0.77	9261	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.88	1.00	0.93	8124	
Report-Weather	0.00	0.00	0.00	1137	
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	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	1.00	0.96	8622	
Report-EmergingThreats	0.00	0.00	0.00	639	
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	0.62	1.00	0.76	5720	
Report-MultimediaShare	0.00	0.00	0.00	3541	
micro avg	0.62	0.62	0.62	9261	
macro avg	0.31	0.50	0.38	9261	
weighted avg	0.38	0.62	0.47	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	6020
Report-Factoid	0.00	0.00	0.00	3241
micro avg	0.65	0.65	0.65	9261
macro avg	0.33	0.50	0.39	9261
weighted avg	0.42	0.65	0.51	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	0.69	1.00	0.82	6422
Report-News	0.00	0.00	0.00	2839
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	0.73	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	1.00	0.96	8482
Other-Sentiment	0.00	0.00	0.00	779
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

Other-Discussion

	precision	recall	f1-score	support
Other Classes	0.95	1.00	0.97	8806
Other-Discussion	0.00	0.00	0.00	455
micro avg	0.95	0.95	0.95	9261
macro avg	0.48	0.50	0.49	9261
weighted avg	0.90	0.95	0.93	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