

TREC-IS 2019-B Notebook Evaluator v2.3
Run: nyu-smapp_run_fasttext (nyu-smapp_run_fasttext.csv)

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.5409221902017284
> Low Importance Alert Worth: -0.05040354958773149
> Accumulated Alert Worth: -0.29566286989472995

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.19233749134975162
> Information Type Recall (positive class, multi-type, macro): 0.11284135714026015
> Information Type F1 (positive class, multi-type, macro): 0.11990617265331548
> Information Type Accuracy (overall, multi-type, macro): 0.8958824556807263
> High Importance Information Type Precision (positive class, multi-type, macro): 0.05129900963234296
> High Importance Information Type Recall (positive class, multi-type, macro): 0.05043739734011551
> High Importance Information Type F1 (positive class, multi-type, macro): 0.04399487587758253
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9717710243646843
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.23935031858888786
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.1336426770736417
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.14520993824522646
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8705862661194073

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.07223860869815996
> Priority Estimation Error High Importance (mean squared error, macro): 0.14057071940172375
> Priority Estimation Error Low Importance (mean squared error, macro): 0.049461238463638674

LATEX

nyu-smapp_run_fasttext & -0.5409 & -0.2957 & 0.0440 & 0.1210 & 0.8959 & 0.1406 & 0.0722 \\\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.05597931480284422
Information Type Recall (positive class, multi-type, macro): 0.06145390903645619
Information Type F1 (positive class, multi-type, macro): 0.026127416942634336
Information Type Accuracy (overall, multi-type, macro): 0.9223436161096831
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): 0.9841473864610112
Low Importance Information Type Precision (positive class, multi-type, macro): 0.0746390864037923
Low Importance Information Type Recall (positive class, multi-type, macro): 0.08193854538194159
Low Importance Information Type F1 (positive class, multi-type, macro): 0.03483655592351245
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.901742359325907

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.11900183150183152
Information Type Recall (positive class, multi-type, macro): 0.057659348880114286
Information Type F1 (positive class, multi-type, macro): 0.06935648391973838
Information Type Accuracy (overall, multi-type, macro): 0.8979658792650916
High Importance Information Type Precision (positive class, multi-type, macro): 0.012820512820512822
High Importance Information Type Recall (positive class, multi-type, macro): 0.016666666666666666
High Importance Information Type F1 (positive class, multi-type, macro): 0.014492753623188406
High Importance Information Type Accuracy (overall, multi-type, macro): 0.963254593175853
Low Importance Information Type Precision (positive class, multi-type, macro): 0.1543956043956044
Low Importance Information Type Recall (positive class, multi-type, macro): 0.07132357628459685
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08764439401858837
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8762029746281715

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.15749540439216989
Information Type Recall (positive class, multi-type, macro): 0.08133143837421518
Information Type F1 (positive class, multi-type, macro): 0.0888783753800891
Information Type Accuracy (overall, multi-type, macro): 0.8998384491114702
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): 0.9811523963381799
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2099938725228932
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1084419178322869
Low Importance Information Type F1 (positive class, multi-type, macro): 0.11850450050678546
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8727338000359002

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.17807957651791875
Information Type Recall (positive class, multi-type, macro): 0.10367034143820231
Information Type F1 (positive class, multi-type, macro): 0.11011099085820321
Information Type Accuracy (overall, multi-type, macro): 0.8957249566493265
High Importance Information Type Precision (positive class, multi-type, macro): 0.047619047619047616
High Importance Information Type Recall (positive class, multi-type, macro): 0.01993176845774465
High Importance Information Type F1 (positive class, multi-type, macro): 0.028024775801793588
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9651193810857676
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2215664194842092
Low Importance Information Type Recall (positive class, multi-type, macro): 0.13158319909835484
Low Importance Information Type F1 (positive class, multi-type, macro): 0.13747306254367309
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.872593481837179

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.13540716603828695
Information Type Recall (positive class, multi-type, macro): 0.07088920170753221
Information Type F1 (positive class, multi-type, macro): 0.06860391450741914
Information Type Accuracy (overall, multi-type, macro): 0.9198125
High Importance Information Type Precision (positive class, multi-type, macro): 0.014492753623188406
High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
High Importance Information Type F1 (positive class, multi-type, macro): 0.016260162601626018
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9948333333333333
Low Importance Information Type Precision (positive class, multi-type, macro): 0.17571197017665316
Low Importance Information Type Recall (positive class, multi-type, macro): 0.0883460961038701
Low Importance Information Type F1 (positive class, multi-type, macro): 0.08605183180935017
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8948055555555554

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.22049023449098745
Information Type Recall (positive class, multi-type, macro): 0.12522953402389844
Information Type F1 (positive class, multi-type, macro): 0.12101451668916684
Information Type Accuracy (overall, multi-type, macro): 0.8656458333333336

High Importance Information Type Precision (positive class, multi-type, macro): 0.10756056808688387
High Importance Information Type Recall (positive class, multi-type, macro): 0.05901757737572639
High Importance Information Type F1 (positive class, multi-type, macro): 0.061755660528461216
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9522499999999998
Low Importance Information Type Precision (positive class, multi-type, macro): 0.25813345662568865
Low Importance Information Type Recall (positive class, multi-type, macro): 0.1473001862399558
Low Importance Information Type F1 (positive class, multi-type, macro): 0.14076746874273538
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.836777777777778

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	7611
Request-GoodsServices	0.00	0.00	0.00	23
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	0.99	0.99	7634

Request-SearchAndRescue	precision	recall	f1-score	support
Other Classes	1.00	0.99	1.00	7624
Request-SearchAndRescue	0.02	0.10	0.03	10
micro avg	0.99	0.99	0.99	7634
macro avg	0.51	0.55	0.51	7634
weighted avg	1.00	0.99	0.99	7634

Request-InformationWanted	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7563
Request-InformationWanted	0.00	0.00	0.00	71
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	7610
CallToAction-Volunteer	0.06	0.08	0.07	24
micro avg	0.99	0.99	0.99	7634
macro avg	0.53	0.54	0.53	7634
weighted avg	0.99	0.99	0.99	7634

CallToAction-Donations	precision	recall	f1-score	support
Other Classes	0.99	0.98	0.99	7556
CallToAction-Donations	0.22	0.47	0.30	78
micro avg	0.98	0.98	0.98	7634
macro avg	0.61	0.73	0.64	7634
weighted avg	0.99	0.98	0.98	7634

CallToAction-MovePeople	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	7526
CallToAction-MovePeople	0.11	0.10	0.11	108
micro avg	0.98	0.98	0.98	7634
macro avg	0.55	0.55	0.55	7634
weighted avg	0.97	0.98	0.98	7634

Report-FirstPartyObservation	precision	recall	f1-score	support
Other Classes	0.94	0.98	0.96	7150
Report-FirstPartyObservation	0.12	0.04	0.06	484
micro avg	0.92	0.92	0.92	7634
macro avg	0.53	0.51	0.51	7634
weighted avg	0.89	0.92	0.90	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.96	0.99	0.97	7317	
Report-ThirdPartyObservation	0.05	0.01	0.02	317	
micro avg	0.95	0.95	0.95	7634	
macro avg	0.50	0.50	0.50	7634	
weighted avg	0.92	0.95	0.94	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.97	0.98	0.97	7334	
Report-Weather	0.29	0.21	0.25	300	
micro avg	0.95	0.95	0.95	7634	
macro avg	0.63	0.60	0.61	7634	
weighted avg	0.94	0.95	0.95	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.94	0.98	0.96	7168	
Report-EmergingThreats	0.10	0.04	0.06	466	
micro avg	0.92	0.92	0.92	7634	
macro avg	0.52	0.51	0.51	7634	
weighted avg	0.89	0.92	0.90	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	0.80	0.99	0.89	6034	
Report-MultimediaShare	0.65	0.08	0.14	1600	
micro avg	0.80	0.80	0.80	7634	
macro avg	0.73	0.53	0.51	7634	
weighted avg	0.77	0.80	0.73	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.98	0.99	0.98	7484	
Report-ServiceAvailable	0.08	0.06	0.07	150	
micro avg	0.97	0.97	0.97	7634	
macro avg	0.53	0.52	0.53	7634	
weighted avg	0.96	0.97	0.97	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.88	0.96	0.92	6625	
Report-Factoid	0.40	0.16	0.22	1009	
micro avg	0.86	0.86	0.86	7634	
macro avg	0.64	0.56	0.57	7634	
weighted avg	0.82	0.86	0.83	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	0.97	0.97	7404
Report-Official	0.14	0.18	0.16	230
micro avg	0.94	0.94	0.94	7634
macro avg	0.56	0.57	0.56	7634
weighted avg	0.95	0.94	0.95	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.80	0.80	0.80	6158
Report-News	0.16	0.15	0.15	1476
micro avg	0.68	0.68	0.68	7634
macro avg	0.48	0.48	0.48	7634
weighted avg	0.67	0.68	0.68	7634

Report-CleanUp

	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7559
Report-CleanUp	0.00	0.00	0.00	75
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.99	0.98	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.52	0.95	0.67	3789
Report-Hashtags	0.71	0.12	0.21	3845
micro avg	0.53	0.53	0.53	7634
macro avg	0.61	0.54	0.44	7634
weighted avg	0.61	0.53	0.44	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.88	1.00	0.94	6751
Report-OriginalEvent	0.00	0.00	0.00	883
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	1.00	0.98	7365
Other-ContextualInformation	0.00	0.00	0.00	269
micro avg	0.96	0.96	0.96	7634
macro avg	0.48	0.50	0.49	7634
weighted avg	0.93	0.96	0.95	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.95	0.90	0.93	7183
Other-Advice	0.16	0.30	0.21	451
micro avg	0.87	0.87	0.87	7634
macro avg	0.56	0.60	0.57	7634
weighted avg	0.91	0.87	0.89	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.82	0.95	0.88	5844
Other-Sentiment	0.65	0.31	0.42	1790
micro avg	0.80	0.80	0.80	7634
macro avg	0.73	0.63	0.65	7634

weighted avg	0.78	0.80	0.77	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.93	0.97	0.95	7064
Other-Discussion	0.11	0.05	0.07	570
micro avg	0.90	0.90	0.90	7634
macro avg	0.52	0.51	0.51	7634
weighted avg	0.87	0.90	0.88	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.70	0.92	0.79	5013
Other-Irrelevant	0.59	0.23	0.34	2621
micro avg	0.68	0.68	0.68	7634
macro avg	0.64	0.58	0.56	7634
weighted avg	0.66	0.68	0.63	7634