

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

EVALUATOR: Alertng Performance
Overall performance

> High Importance Alert Worth: -0.6982708933717573
> Low Importance Alert Worth: -0.033544058099775606
> Accumulated Alert Worth: -0.36590747573576643

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.16768809648267358
> Information Type Recall (positive class, multi-type, macro): 0.1593092595602628
> Information Type F1 (positive class, multi-type, macro): 0.15131211636529104
> Information Type Accuracy (overall, multi-type, macro): 0.8833507990568509
> High Importance Information Type Precision (positive class, multi-type, macro): 0.027802606294903335
> High Importance Information Type Recall (positive class, multi-type, macro): 0.01819507411661193
> High Importance Information Type F1 (positive class, multi-type, macro): 0.02016911608354097
> High Importance Information Type Accuracy (overall, multi-type, macro): 0.9698497947777486
> Low Importance Information Type Precision (positive class, multi-type, macro): 0.21431659321193036
> Low Importance Information Type Recall (positive class, multi-type, macro): 0.20634732137481307
> Low Importance Information Type F1 (positive class, multi-type, macro): 0.19502644979254105
> Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8545178004832183

EVALUATOR: Information Priority Level
Overall Performance

> Priority Estimation Error (mean squared error, macro): 0.06936322260616526
> Priority Estimation Error High Importance (mean squared error, macro): 0.07505905966421857
> Priority Estimation Error Low Importance (mean squared error, macro): 0.06746461025348081

LATEX

IRIT_run_rf_gb_binary_chain & -0.6983 & -0.3659 & 0.0202 & 0.1716 & 0.8834 & 0.0751 & 0.0694 \\

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

floodChoco2019

Information Type Precision (positive class, multi-type, macro): 0.05816927404739052
Information Type Recall (positive class, multi-type, macro): 0.08632973093468377
Information Type F1 (positive class, multi-type, macro): 0.03338966045580653
Information Type Accuracy (overall, multi-type, macro): 0.8738217652099401
High Importance Information Type Precision (positive class, multi-type, macro): 0.015151515151515152
High Importance Information Type Recall (positive class, multi-type, macro): 0.027777777777777776
High Importance Information Type F1 (positive class, multi-type, macro): 0.019607843137254905
High Importance Information Type Accuracy (overall, multi-type, macro): 0.987146529562982
Low Importance Information Type Precision (positive class, multi-type, macro): 0.07250852701268232
Low Importance Information Type Recall (positive class, multi-type, macro): 0.10584704865365242
Low Importance Information Type F1 (positive class, multi-type, macro): 0.037983599561990405
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.836046843758926

earthquakeCalifornia2014

Information Type Precision (positive class, multi-type, macro): 0.11108833331143064
Information Type Recall (positive class, multi-type, macro): 0.134653197715742
Information Type F1 (positive class, multi-type, macro): 0.09137971493717141
Information Type Accuracy (overall, multi-type, macro): 0.8625328083989502
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): 0.9619422572178479
Low Importance Information Type Precision (positive class, multi-type, macro): 0.14811777774857418
Low Importance Information Type Recall (positive class, multi-type, macro): 0.17953759695432267
Low Importance Information Type F1 (positive class, multi-type, macro): 0.12183961991622855
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8293963254593177

earthquakeBohol2013

Information Type Precision (positive class, multi-type, macro): 0.1880748917286252
Information Type Recall (positive class, multi-type, macro): 0.24915121838894702
Information Type F1 (positive class, multi-type, macro): 0.17259085731727242
Information Type Accuracy (overall, multi-type, macro): 0.8839526117393647
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): 0.9728056004308024
Low Importance Information Type Precision (positive class, multi-type, macro): 0.2507665223048336
Low Importance Information Type Recall (positive class, multi-type, macro): 0.33220162451859603
Low Importance Information Type F1 (positive class, multi-type, macro): 0.23012114308969656
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8543349488422187

hurricaneFlorence2018

Information Type Precision (positive class, multi-type, macro): 0.12818782878200025
Information Type Recall (positive class, multi-type, macro): 0.08848562285234192
Information Type F1 (positive class, multi-type, macro): 0.07558803496242501
Information Type Accuracy (overall, multi-type, macro): 0.8813525410164068
High Importance Information Type Precision (positive class, multi-type, macro): 0.0040650406504065045
High Importance Information Type Recall (positive class, multi-type, macro): 0.0056179775280898875
High Importance Information Type F1 (positive class, multi-type, macro): 0.0047169811320754715
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9682539682539684
Low Importance Information Type Precision (positive class, multi-type, macro): 0.16956209149253149
Low Importance Information Type Recall (positive class, multi-type, macro): 0.11610817129375928
Low Importance Information Type F1 (positive class, multi-type, macro): 0.09921171957254152
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8523853986038858

shootingDallas2017

Information Type Precision (positive class, multi-type, macro): 0.13143310881755652
Information Type Recall (positive class, multi-type, macro): 0.1879557094501073
Information Type F1 (positive class, multi-type, macro): 0.1398527431523958
Information Type Accuracy (overall, multi-type, macro): 0.8942083333333334
High Importance Information Type Precision (positive class, multi-type, macro): 0.0044444444444444444
High Importance Information Type Recall (positive class, multi-type, macro): 0.018518518518518517
High Importance Information Type F1 (positive class, multi-type, macro): 0.007168458781362006
High Importance Information Type Accuracy (overall, multi-type, macro): 0.9861666666666667
Low Importance Information Type Precision (positive class, multi-type, macro): 0.17376266360859385
Low Importance Information Type Recall (positive class, multi-type, macro): 0.24443477309397021
Low Importance Information Type F1 (positive class, multi-type, macro): 0.1840808379427404
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8635555555555557

fireYMM2016

Information Type Precision (positive class, multi-type, macro): 0.22175793598426194
Information Type Recall (positive class, multi-type, macro): 0.17940964767084308
Information Type F1 (positive class, multi-type, macro): 0.17164453711372832
Information Type Accuracy (overall, multi-type, macro): 0.8779791666666669

High Importance Information Type Precision (positive class, multi-type, macro): 0.08936195587358377
High Importance Information Type Recall (positive class, multi-type, macro): 0.027380169818493616
High Importance Information Type F1 (positive class, multi-type, macro): 0.03869846528485672
High Importance Information Type Accuracy (overall, multi-type, macro): 0.95175
Low Importance Information Type Precision (positive class, multi-type, macro): 0.26588992935448796
Low Importance Information Type Recall (positive class, multi-type, macro): 0.23008614028829288
Low Importance Information Type F1 (positive class, multi-type, macro): 0.21595989439001892
Low Importance Information Type Accuracy (overall, multi-type, macro): 0.8533888888888888

 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	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	0.99	1.00	7624
Request-SearchAndRescue	0.00	0.00	0.00	10
micro avg	0.99	0.99	0.99	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	1.00	0.99	1.00	7634
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	0.99	0.99	0.99	7563
Request-InformationWanted	0.13	0.23	0.16	71
micro avg	0.98	0.98	0.98	7634
macro avg	0.56	0.61	0.58	7634
weighted avg	0.98	0.98	0.98	7634
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	7610
CallToAction-Volunteer	0.00	0.00	0.00	24
micro avg	1.00	1.00	1.00	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.99	1.00	0.99	7634
CallToAction-Donations				
	precision	recall	f1-score	support
Other Classes	0.99	0.98	0.99	7556
CallToAction-Donations	0.01	0.01	0.01	78
micro avg	0.97	0.97	0.97	7634
macro avg	0.50	0.50	0.50	7634
weighted avg	0.98	0.97	0.98	7634
CallToAction-MovePeople				
	precision	recall	f1-score	support
Other Classes	0.99	1.00	0.99	7526
CallToAction-MovePeople	0.00	0.00	0.00	108
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	0.93	0.75	0.83	7150
Report-FirstPartyObservation	0.06	0.22	0.09	484
micro avg	0.72	0.72	0.72	7634
macro avg	0.49	0.48	0.46	7634
weighted avg	0.88	0.72	0.78	7634

Report-ThirdPartyObservation					
	precision	recall	f1-score	support	
Other Classes	0.96	0.91	0.93	7317	
Report-ThirdPartyObservation	0.08	0.20	0.12	317	
micro avg	0.88	0.88	0.88	7634	
macro avg	0.52	0.55	0.52	7634	
weighted avg	0.93	0.88	0.90	7634	

Report-Weather					
	precision	recall	f1-score	support	
Other Classes	0.96	0.99	0.97	7334	
Report-Weather	0.08	0.03	0.04	300	
micro avg	0.95	0.95	0.95	7634	
macro avg	0.52	0.51	0.51	7634	
weighted avg	0.93	0.95	0.94	7634	

Report-EmergingThreats					
	precision	recall	f1-score	support	
Other Classes	0.94	0.98	0.96	7168	
Report-EmergingThreats	0.10	0.03	0.05	466	
micro avg	0.92	0.92	0.92	7634	
macro avg	0.52	0.51	0.50	7634	
weighted avg	0.89	0.92	0.90	7634	

Report-NewSubEvent					
	precision	recall	f1-score	support	
Other Classes	0.98	0.99	0.98	7492	
Report-NewSubEvent	0.04	0.03	0.03	142	
micro avg	0.97	0.97	0.97	7634	
macro avg	0.51	0.51	0.51	7634	
weighted avg	0.96	0.97	0.97	7634	

Report-MultimediaShare					
	precision	recall	f1-score	support	
Other Classes	0.85	0.88	0.86	6034	
Report-MultimediaShare	0.48	0.41	0.44	1600	
micro avg	0.78	0.78	0.78	7634	
macro avg	0.66	0.64	0.65	7634	
weighted avg	0.77	0.78	0.78	7634	

Report-ServiceAvailable					
	precision	recall	f1-score	support	
Other Classes	0.98	0.97	0.98	7484	
Report-ServiceAvailable	0.03	0.05	0.04	150	
micro avg	0.95	0.95	0.95	7634	
macro avg	0.51	0.51	0.51	7634	
weighted avg	0.96	0.95	0.96	7634	

Report-Factoid					
	precision	recall	f1-score	support	
Other Classes	0.89	0.94	0.91	6625	
Report-Factoid	0.33	0.20	0.25	1009	
micro avg	0.84	0.84	0.84	7634	
macro avg	0.61	0.57	0.58	7634	
weighted avg	0.81	0.84	0.82	7634	

Report-Official					
	precision	recall	f1-score	support	

Other Classes	0.97	0.99	0.98	7404
Report-Official	0.09	0.03	0.05	230
micro avg	0.96	0.96	0.96	7634
macro avg	0.53	0.51	0.51	7634
weighted avg	0.94	0.96	0.95	7634

Report-News

	precision	recall	f1-score	support
Other Classes	0.85	0.89	0.87	6158
Report-News	0.42	0.35	0.38	1476
micro avg	0.78	0.78	0.78	7634
macro avg	0.64	0.62	0.63	7634
weighted avg	0.77	0.78	0.77	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	0.99	7634

Report-Hashtags

	precision	recall	f1-score	support
Other Classes	0.68	0.90	0.78	3789
Report-Hashtags	0.85	0.59	0.70	3845
micro avg	0.74	0.74	0.74	7634
macro avg	0.77	0.74	0.74	7634
weighted avg	0.77	0.74	0.74	7634

Report-OriginalEvent

	precision	recall	f1-score	support
Other Classes	0.89	0.98	0.93	6750
Report-OriginalEvent	0.23	0.05	0.09	884
micro avg	0.87	0.87	0.87	7634
macro avg	0.56	0.51	0.51	7634
weighted avg	0.81	0.87	0.83	7634

Other-ContextualInformation

	precision	recall	f1-score	support
Other Classes	0.96	0.93	0.95	7364
Other-ContextualInformation	0.01	0.02	0.01	270
micro avg	0.90	0.90	0.90	7634
macro avg	0.49	0.47	0.48	7634
weighted avg	0.93	0.90	0.91	7634

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.95	0.94	0.94	7183
Other-Advice	0.12	0.13	0.13	451
micro avg	0.90	0.90	0.90	7634
macro avg	0.53	0.54	0.54	7634
weighted avg	0.90	0.90	0.90	7634

Other-Sentiment

	precision	recall	f1-score	support
Other Classes	0.86	0.60	0.71	5844
Other-Sentiment	0.34	0.68	0.46	1790
micro avg	0.62	0.62	0.62	7634
macro avg	0.60	0.64	0.58	7634

weighted avg	0.74	0.62	0.65	7634
Other-Discussion				
	precision	recall	f1-score	support
Other Classes	0.92	0.88	0.90	7064
Other-Discussion	0.06	0.09	0.07	570
micro avg	0.82	0.82	0.82	7634
macro avg	0.49	0.49	0.49	7634
weighted avg	0.86	0.82	0.84	7634
Other-Irrelevant				
	precision	recall	f1-score	support
Other Classes	0.74	0.81	0.78	5013
Other-Irrelevant	0.56	0.47	0.51	2621
micro avg	0.69	0.69	0.69	7634
macro avg	0.65	0.64	0.64	7634
weighted avg	0.68	0.69	0.69	7634