

**njit-sub02.text+aug**

**task3**

TREC-IS 2020-A Task 3 Notebook Evaluator v2.5

Run: njit-sub02.text+aug (njit-sub02.text+aug.2020A.task3.run)

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EVALUATOR: nDCG and Priority

Overall performance

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> nDCG: 0.23517833666783047

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EVALUATOR: Information Type Categorization

Overall performance

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> Information Type Precision (positive class, multi-type, macro): 0.12246539636311003  
> Information Type Recall (positive class, multi-type, macro): 0.117037930383966  
> Information Type F1 (positive class, multi-type, macro): 0.09932906611870343  
> Information Type Accuracy (overall, multi-type, macro): 0.957619529105879

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EVALUATOR: Information Priority Level

Overall Performance

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> Priority Label Prediction (F1, macro): 0.2176547263694019

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LATEX

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njit-sub02.text+aug & 0.2352 & 0.0993 & 0.9576 & 0.2177 \\  
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**njit-sub02.text+aug**

**task3**

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EVALUATOR: Information Type Categorization (Multi-type)

Per Event Performance  
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covidDC2020

Information Type Precision (positive class, multi-type, macro): 0.03061936905909905

Information Type Recall (positive class, multi-type, macro): 0.11106230473105774

Information Type F1 (positive class, multi-type, macro): 0.03646861367793952

Information Type Accuracy (overall, multi-type, macro): 0.8186867967525994

covidWashingtonState2020

Information Type Precision (positive class, multi-type, macro): 0.23009572459469035

Information Type Recall (positive class, multi-type, macro): 0.11317637894705548

Information Type F1 (positive class, multi-type, macro): 0.1257948851033393

Information Type Accuracy (overall, multi-type, macro): 0.9500488979161965

covidNYC2020

Information Type Precision (positive class, multi-type, macro): 0.17741663216440665

Information Type Recall (positive class, multi-type, macro): 0.11960181872669028

Information Type F1 (positive class, multi-type, macro): 0.12197487918890915

Information Type Accuracy (overall, multi-type, macro): 0.8212752912323728

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 EVALUATION: 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	14812
Request-GoodsServices	0.00	0.00	0.00	23
accuracy			0.99	14835
macro avg	0.50	0.50	0.50	14835
weighted avg	1.00	0.99	1.00	14835
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	14794
Request-InformationWanted	0.03	0.05	0.04	41
accuracy			0.99	14835
macro avg	0.51	0.52	0.52	14835
weighted avg	0.99	0.99	0.99	14835
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	14767
CallToAction-Volunteer	0.25	0.16	0.20	68
accuracy			0.99	14835
macro avg	0.62	0.58	0.60	14835
weighted avg	0.99	0.99	0.99	14835
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.92	1.00	0.96	13626
Report-EmergingThreats	0.16	0.01	0.02	1209
accuracy			0.92	14835

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macro avg	0.54	0.50	0.49	14835
weighted avg	0.86	0.92	0.88	14835

## Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.95	1.00	0.97	14099
Report-NewSubEvent	0.00	0.00	0.00	736
accuracy			0.95	14835
macro avg	0.48	0.50	0.49	14835
weighted avg	0.90	0.95	0.92	14835

## Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.97	0.98	0.97	14210
Report-ServiceAvailable	0.29	0.22	0.25	625
accuracy			0.94	14835
macro avg	0.63	0.60	0.61	14835
weighted avg	0.94	0.94	0.94	14835

## Other-Advice

	precision	recall	f1-score	support
Other Classes	0.98	0.93	0.96	14433
Other-Advice	0.13	0.38	0.19	402
accuracy			0.92	14835
macro avg	0.56	0.65	0.57	14835
weighted avg	0.96	0.92	0.93	14835