

UCD_CS_T3_R2

task3

TREC-IS 2020-A Task 3 Notebook Evaluator v2.5
Run: UCD_CS_T3_R2 (UCD_CS_T3_R2.2020A.task3.run)

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.26263198685264766

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.15508984328603176
> Information Type Recall (positive class, multi-type, macro): 0.3186540149923972
> Information Type F1 (positive class, multi-type, macro): 0.15425080959544915
> Information Type Accuracy (overall, multi-type, macro): 0.9139197842938996

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.20505861858136573

LATEX

UCD_CS_T3_R2 & 0.2626 & 0.1543 & 0.9139 & 0.2051 \\

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

covidDC2020

Information Type Precision (positive class, multi-type, macro): 0.09069460925425395

Information Type Recall (positive class, multi-type, macro): 0.3502114198310636

Information Type F1 (positive class, multi-type, macro): 0.12108371593287455

Information Type Accuracy (overall, multi-type, macro): 0.7500356074633243

covidWashingtonState2020

Information Type Precision (positive class, multi-type, macro): 0.24777324148805238

Information Type Recall (positive class, multi-type, macro): 0.3140281540476809

Information Type F1 (positive class, multi-type, macro): 0.19797643220508945

Information Type Accuracy (overall, multi-type, macro): 0.914115198475388

covidNYC2020

Information Type Precision (positive class, multi-type, macro): 0.12232347680047344

Information Type Recall (positive class, multi-type, macro): 0.20214883677455342

Information Type F1 (positive class, multi-type, macro): 0.12376395646068505

Information Type Accuracy (overall, multi-type, macro): 0.7911208962711108

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

Request-GoodsServices				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	14812
Request-GoodsServices	0.08	0.09	0.08	23
accuracy			1.00	14835
macro avg	0.54	0.54	0.54	14835
weighted avg	1.00	1.00	1.00	14835
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	14794
Request-InformationWanted	0.08	0.66	0.14	41
accuracy			0.98	14835
macro avg	0.54	0.82	0.56	14835
weighted avg	1.00	0.98	0.99	14835
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	1.00	1.00	14767
CallToAction-Volunteer	0.29	0.15	0.20	68
accuracy			0.99	14835
macro avg	0.65	0.57	0.60	14835
weighted avg	0.99	0.99	0.99	14835
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.93	0.92	0.93	13626
Report-EmergingThreats	0.21	0.23	0.22	1209
accuracy			0.87	14835

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macro avg	0.57	0.58	0.57	14835
weighted avg	0.87	0.87	0.87	14835

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	14099
Report-NewSubEvent	0.17	0.03	0.06	736
accuracy			0.94	14835
macro avg	0.56	0.51	0.51	14835
weighted avg	0.91	0.94	0.93	14835

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.98	0.91	0.94	14210
Report-ServiceAvailable	0.20	0.49	0.28	625
accuracy			0.89	14835
macro avg	0.59	0.70	0.61	14835
weighted avg	0.94	0.89	0.91	14835

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.98	0.73	0.84	14433
Other-Advice	0.06	0.58	0.10	402
accuracy			0.72	14835
macro avg	0.52	0.65	0.47	14835
weighted avg	0.96	0.72	0.82	14835