

UCD_CS_T3_R3

task3

TREC-IS 2020-A Task 3 Notebook Evaluator v2.5
Run: UCD_CS_T3_R3 (UCD_CS_T3_R3.2020A.task3.run)

EVALUATOR: nDCG and Priority
Overall performance

> nDCG: 0.26622217323684844

EVALUATOR: Information Type Categorization
Overall performance

> Information Type Precision (positive class, multi-type, macro): 0.1470110131829297
> Information Type Recall (positive class, multi-type, macro): 0.3596819904619521
> Information Type F1 (positive class, multi-type, macro): 0.15395886454233088
> Information Type Accuracy (overall, multi-type, macro): 0.9132360729934037

EVALUATOR: Information Priority Level
Overall Performance

> Priority Label Prediction (F1, macro): 0.2309431569331905

LATEX

UCD_CS_T3_R3 & 0.2662 & 0.1540 & 0.9132 & 0.2309 \\

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

covidDC2020

Information Type Precision (positive class, multi-type, macro): 0.09391759058007618

Information Type Recall (positive class, multi-type, macro): 0.38385401765276583

Information Type F1 (positive class, multi-type, macro): 0.12624887541073393

Information Type Accuracy (overall, multi-type, macro): 0.7494302805868109

covidWashingtonState2020

Information Type Precision (positive class, multi-type, macro): 0.22876284420341023

Information Type Recall (positive class, multi-type, macro): 0.3445706084765082

Information Type F1 (positive class, multi-type, macro): 0.1958276246208426

Information Type Accuracy (overall, multi-type, macro): 0.9135886055317334

covidNYC2020

Information Type Precision (positive class, multi-type, macro): 0.11638199545696724

Information Type Recall (positive class, multi-type, macro): 0.22735237356684473

Information Type F1 (positive class, multi-type, macro): 0.13066931919726646

Information Type Accuracy (overall, multi-type, macro): 0.7912881110306004

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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	0.99	0.99	14812
Request-GoodsServices	0.03	0.22	0.06	23
accuracy			0.99	14835
macro avg	0.52	0.60	0.53	14835
weighted avg	1.00	0.99	0.99	14835
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	0.98	0.99	14794
Request-InformationWanted	0.08	0.71	0.14	41
accuracy			0.98	14835
macro avg	0.54	0.84	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	0.31	0.24	0.27	68
accuracy			0.99	14835
macro avg	0.65	0.62	0.63	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	0.18	0.19	0.19	1209
accuracy			0.86	14835

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macro avg	0.55	0.56	0.56	14835
weighted avg	0.87	0.86	0.87	14835

Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.95	0.99	0.97	14099
Report-NewSubEvent	0.20	0.03	0.06	736
accuracy			0.95	14835
macro avg	0.58	0.51	0.52	14835
weighted avg	0.91	0.95	0.93	14835

Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.98	0.87	0.92	14210
Report-ServiceAvailable	0.16	0.57	0.25	625
accuracy			0.86	14835
macro avg	0.57	0.72	0.59	14835
weighted avg	0.94	0.86	0.89	14835

Other-Advice

	precision	recall	f1-score	support
Other Classes	0.98	0.77	0.86	14433
Other-Advice	0.06	0.57	0.12	402
accuracy			0.77	14835
macro avg	0.52	0.67	0.49	14835
weighted avg	0.96	0.77	0.84	14835