

**elmo\_textonly\_eec\_covid**

**task3**

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

Run: elmo\_textonly\_covid (elmo\_textonly\_eec\_covid.2020A.task3.run)

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EVALUATOR: nDCG and Priority

Overall performance

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> nDCG: 0.2210557943469432

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EVALUATOR: Information Type Categorization

Overall performance

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> Information Type Precision (positive class, multi-type, macro): 0.03744285207840268  
> Information Type Recall (positive class, multi-type, macro): 0.2302058343682774  
> Information Type F1 (positive class, multi-type, macro): 0.05234522030089843  
> Information Type Accuracy (overall, multi-type, macro): 0.8186720593191775

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EVALUATOR: Information Priority Level

Overall Performance

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> Priority Label Prediction (F1, macro): 0.21516366181726723

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LATEX

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elmo\_textonly\_covid & 0.2211 & 0.0523 & 0.8187 & 0.2152 \\  
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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): 0.010075781778861667  
Information Type Recall (positive class, multi-type, macro): 0.13820534607727675  
Information Type F1 (positive class, multi-type, macro): 0.016839035514300518  
Information Type Accuracy (overall, multi-type, macro): 0.7021791767554479

covidWashingtonState2020

Information Type Precision (positive class, multi-type, macro): 0.05896138130153329  
Information Type Recall (positive class, multi-type, macro): 0.13511296751296056  
Information Type F1 (positive class, multi-type, macro): 0.060134639109912  
Information Type Accuracy (overall, multi-type, macro): 0.8401665036736128

covidNYC2020

Information Type Precision (positive class, multi-type, macro): 0.040026957286989066  
Information Type Recall (positive class, multi-type, macro): 0.24396372457511392  
Information Type F1 (positive class, multi-type, macro): 0.059841226949242605  
Information Type Accuracy (overall, multi-type, macro): 0.6653753971350539

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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	0.91	0.95	14812
Request-GoodsServices	0.01	0.57	0.02	23
accuracy			0.91	14835
macro avg	0.50	0.74	0.49	14835
weighted avg	1.00	0.91	0.95	14835
Request-InformationWanted				
	precision	recall	f1-score	support
Other Classes	1.00	0.87	0.93	14794
Request-InformationWanted	0.00	0.00	0.00	41
accuracy			0.86	14835
macro avg	0.50	0.43	0.46	14835
weighted avg	0.99	0.86	0.92	14835
CallToAction-Volunteer				
	precision	recall	f1-score	support
Other Classes	1.00	0.85	0.92	14767
CallToAction-Volunteer	0.00	0.13	0.01	68
accuracy			0.85	14835
macro avg	0.50	0.49	0.46	14835
weighted avg	0.99	0.85	0.91	14835
Report-EmergingThreats				
	precision	recall	f1-score	support
Other Classes	0.92	0.92	0.92	13626
Report-EmergingThreats	0.11	0.12	0.11	1209
accuracy			0.85	14835

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macro avg	0.52	0.52	0.52	14835
weighted avg	0.86	0.85	0.85	14835

## Report-NewSubEvent

	precision	recall	f1-score	support
Other Classes	0.95	0.86	0.90	14099
Report-NewSubEvent	0.05	0.13	0.07	736
accuracy			0.83	14835
macro avg	0.50	0.50	0.49	14835
weighted avg	0.91	0.83	0.86	14835

## Report-ServiceAvailable

	precision	recall	f1-score	support
Other Classes	0.96	0.80	0.88	14210
Report-ServiceAvailable	0.06	0.29	0.10	625
accuracy			0.78	14835
macro avg	0.51	0.55	0.49	14835
weighted avg	0.92	0.78	0.84	14835

## Other-Advice

	precision	recall	f1-score	support
Other Classes	0.97	0.65	0.78	14433
Other-Advice	0.03	0.37	0.05	402
accuracy			0.65	14835
macro avg	0.50	0.51	0.42	14835
weighted avg	0.95	0.65	0.76	14835