

tables

May 2020

1 Tables

Dataset	Classes	Train	Dev	Labels		
COVID-19 Category (CC)	2	3094	1031	Personal	News	
Vaccine Sentiment (VC)	3	5000	3000	N	Neutral	Positive
Maternal Vaccine Stance (MVS)	4	1361	817	Disc	A	N Promotional
Stanford Sentiment Treebank 2 (SST-2)	2	67 349	872	Negative		Positive
Twitter Sentiment SemEval (SE)	3	6000	817	Neg	Neutral	Positive

Dataset	BERT-LARGE	CT-BERT	Δ MP
COVID-19 Category (CC)	0.931	0.949	25.88%
Vaccine Sentiment (VC)	0.824	0.869	25.27%
Maternal Vaccine Stance (MVS)	0.696	0.748	17.07%
Stanford Sentiment Treebank 2 (SST-2)	0.937	0.944	10.67%
Twitter Sentiment SemEval (SE)	0.620	0.654	8.97%
Average	0.802	0.833	17.57%