

Methods	WNUT2017	BioNER	TwitterNER	CoNLL 2003	
				Typos	OOV
VaniIB	51.60	73.41	71.19	83.49	70.12
DataAug	52.29	75.85	73.69	81.73	69.6
InferNER	50.52	-	74.17	-	-
MIN	49.93	77.97	-	-	-
CoFEE	39.1	-	69.5	-	-
MAML	24.19	76.36	-	-	-
SA-NER	50.36	-	-	-	-
SpanNER (Bert large)	51.83	73.78	71.57	81.83	64.43
SpanNER (Roberta large)	51.65	74.49	71.7	82.85	64.7
SpanNER (AlBert large)	49.13	71.08	70.33	82.49	64.12
MINER (Bert large)	54.52	77.03	75.26	87.09	78.03
MINER (Roberta large)	54.86	76.43	75.38	87.57	79.15
MINER (AlBert large)	51.94	75.23	72.67	86.53	77.95

Table 3: Performance of the proposed method compared with state-of-the-arts.