



Example 1: Don't be selfish. Stay home, reduce the spread, and safe lives. If you have to go out, please wear a mask and gloves.

Topic: Stay at Home Orders

Stance label: Favor

Example 2: There is no way in hell I would put a vaccine into my body that comes out under or is advocated by the trump regime. I trust COVID-19 more than I trust the trump regime.

Topic: Vaccination

Stance label: Against

Models	Cross-target settings (%)											
	SH→WM		SH→VA		WM→SH		WM→VA		VA→SH		VA→WM	
	F_{avg}	F_m	F_{avg}	F_m	F_{avg}	F_m	F_{avg}	F_m	F_{avg}	F_m	F_{avg}	F_m
BiLSTM	25.4	30.6	25.6	30.5	39.1	45.1	40.8	47.5	31.5	38.1	33.0	38.6
BiCond	29.0	33.1	30.1	34.5	37.3	42.1	37.5	44.4	33.8	40.2	35.5	40.9
TextCNN	34.6	37.8	31.5	36.6	39.4	43.9	37.6	42.5	30.7	33.3	35.8	38.5
TAN	44.3	46.2	34.5	39.0	45.5	47.4	45.1	48.5	37.7	38.2	42.6	44.1
CrossNet	<u>45.7</u>	<u>49.9</u>	<u>39.4</u>	43.6	43.4	47.3	47.7	50.7	37.7	38.3	46.7	48.1
BERT	44.7	49.3	34.9	41.2	44.3	49.7	52.6	55.3	<u>44.4</u>	<u>45.6</u>	<u>53.7</u>	<u>55.1</u>
WS-BERT-S	45.4	49.1	40.3	44.9	41.9	48.0	51.0	54.8	39.9	41.4	47.2	49.9
WS-BERT-D	40.1	47.1	30.5	38.9	<u>48.2</u>	<u>52.5</u>	<u>55.4</u>	<u>57.5</u>	43.5	44.9	49.5	51.1
Ours	47.6	51.9	<u>39.4</u>	<u>44.4</u>	50.9	54.1	57.6	59.3	46.1	47.4	54.5	56.3
Improve (%)	4.2%	4.0%	–	–	5.6%	3.0%	3.9%	3.1%	3.8%	3.9%	1.5%	2.1%

Topic	#Unlabeled	#Labeled (Favor/Against/None)	Keywords [◇]
Stay at Home (SH)	778	420 (194/113/113)	lockdown, stayhome
Wear Masks (WM)	1030	756 (173/288/295)	mask, facemasks
Vaccination (VA)	1535	526 (106/194/226)	vaccine, vaccination

Adversarial Learning-based Stance Classifier for COVID-19-related Health Policies (DASFAA2023)