

Task	Definition	Embeddings	Parameters (Learning Rate/ Batch Size/ Dropout Ratio)	Additional Data	Model Performance
1a	Classification of Adverse Drug Events (ADE) mentions in tweets	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 32 / 0.3	Yes macro F1: 0.97 micro F1: 0.97
1b	Detection of Adverse Drug Events (ADE) mentions in tweets	Medical B4TC- biobert-base-cased-v1.2	biobert-base- cased-v1.2	2e-05 / 64 / 0.4	Yes macro F1: 0.90 micro F1: 0.95
2a	Classification of stance in tweets about health mandates related to COVID-19	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-05 / 64 / 0.5	No macro F1: 0.72 micro F1: 0.73
2b	Classification of premise in tweets about health mandates related to COVID-19	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-05 / 64 / 0.5	No macro F1: 0.79 micro F1: 0.80
3a	Classification of changes in medication treatments in tweets	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	No macro F1: 0.77 micro F1: 0.92
3b	Classification of changes in medication treatments in WebMD reviews	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	No macro F1: 0.88 micro F1: 0.86
4	Classification of tweets self-reporting exact age	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	No macro F1: 0.88 micro F1: 0.89
5	Classification of tweets containing self-reported COVID-19 symptoms (Spanish)	Medical B4SC - dccuchile/bert- base-spanish-wwm-cased		2e-5 / 64 / 0.5	No macro F1: 0.77 micro F1: 0.83
6	Classification of tweets which indicate self-reported COVID-19 vaccination status	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	Yes macro F1: 0.88 micro F1: 0.95
7	Classification of self-reported intimate partner violence on Twitter	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	Yes macro F1: 0.85 micro F1: 0.95
8	Classification of self-reported chronic stress on Twitter	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	7e-6 / 64 / 0.1	No macro F1: 0.92 micro F1: 0.93
9	Classification of Reddit posts self-reporting exact age	Medical B4SC cased-v1.2	biobert-base- cased-v1.2	2e-5 / 64 / 0.5	No macro F1: 0.93 micro F1: 0.94
10	Detection of disease mentions in tweets – SocialDisNER (in Spanish)	Medical BFTC- /bert-base-5lang-cased		2e-5 / 64 / 0.5	No macro F1: 0.77 micro F1: 0.80