

Appendix

Anonymous ACL submission

A Hyperparameter configurations for the neural network

A.1 Hierarchical attention network

- LSTM units (post encoder) = 128
- dense BoW units = 20
- dense lexicon units = 20
- LSTM units (user encoder) = 32
- dropout = 0.3
- $l_2 = 0.00001$
- optimizer = Adam
- learning rate = 0.0001
- early stopping patience = 20
- epochs = 20
- maximum sequence length = 256
- posts per chunk = 50

B Adjective vectors for each personality dimension

EXT+: dominant assertive authoritarian forceful assured confident firm persistent

EXT-: nervous modest quiet forceless afraid shy calm indecisive

AGR+: tender gentle soft kind affectionate helpful sympathetic friendly

AGR-: cruel unfriendly negative mean brutal inconsiderate insensitive cold

CON+: organized orderly tidy neat efficient persistent systematic straight careful reliable

CON-: distracted unreliable incompetent wild inefficient disloyal chaotic confused messy disorganized

NEU+: worried stressed anxious nervous fearful touchy guilty insecure restless emotional

NEU-: balanced stable confident fearless calm easy-going relaxed secure comforted peaceful

OPN+: philosophical abstract imaginative curious reflective literary questioning individualistic unique open

OPN-: narrow-minded concrete ordinary incurious thoughtless ignorant uneducated common conventional restricted

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