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Detecting depression on social media using user interactions

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Abstract

Depression is a common illness that affects millions of people. It affects people knowingly or unknowingly to people all over the world. (Dinkel, Wu and Yu, 2020) Social media provides a platform for individuals to express their thoughts and feelings with others. This makes online social media platforms gather large amounts of data about the users. This information can be used to develop software that can be used to help people in many ways such as detecting mental health problems. (Abed-Esfahani et al., no date). Twitter is a great platform to identify the thoughts of an individual and since Twitter has the largest number of users among microblogs. (Fuji and Matsumoto, no date) to identify if the person is suffering from depression based on the tweets the user's tweet on Twitter LSTM (Long short term memory) can be used since LSTM is used for tasks such as natural language processing.(Verma et al., 2020)