

Abstract

Depression is an emotional state characterized by intense sadness that can reduce a person's quality of life. Early prediction can provide appropriate health services for someone suffering from depression. Prediction of depression can be done through social media, one of the social media that is widely used is twitter. Many studies have used various features to predict depression in a Twitter user, but it is rare to find a combination of features together. The purpose of this study was to determine the effect of the combination of features on the accuracy of predicting depression in a person through Twitter social media. The combined features are social, linguistic, and orthographic features. This depression prediction method from Twitter social media uses the logistic regression method. The system utilizes tweet data for linguistic and orthographic features, while account information data used for social features. The best accuracy is obtained at 0.57 in the combination of all features.

Keywords: depression, twitter, logistic regression, features combination