PROJECT REPORT

HATE SPEECH PREDICTION USING K-MEANS ALGORITHM

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ABSTRACT

In the social media nowadays, there are lots of posts that shares a story about the user on something. Either it's to share a moment, or an opinion. So does freedom speech goes, not a few who abuse the freedom speech to take down others. Mostly those who abuse the freedom speech use hate speech to make the interlocutor feels uncomfortable.

This research is discusses about the usage of data mining algorithm and twitter data to predict hate speech in a post or a tweet. The K-Means that being used in this research is to define the Hate Speech in the dataset. The k is set to 2 to differentiate the first cluster is Hate Speech, and the second is Not Hate Speech.

The final results offered is in the form of a percentage of accuracy and comparison of the amount of data. From various comparison of data, the highest accuracy that being achieved is 80% followed by 66,7%, etc. However, by the results shown that different methods may varies different results in accuracy. But in overall the most stable results is by using N-Gram Tri-gram.

Keyword: K-Means, Hate Speech, Clustering, TF-IDF

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