



Analyzing Message
Popularity in Group Chats



Research Background

Being influential in a group chat can seem its not on your side and your messages may not be able to get read or liked.

Various ways on how you write your messages could contribute to these factors.

Our goal is to figure out how popularity links to the styles of a written message.

Dataset: FreeCodeCamp on Kaggle w/ 5 million lines



Our Strategy

1. Converting each message into a set of message features.

E.g. "hello world!" → {word_count: 2, ave_word_length: 5, verb_ratio: 0.5.....}

1. Train a machine learning model that can take in the features and will be able to predict a message's readBy (popularity).
2. Plot out the decision tree inside of machine learning model
3. Manually analyze the features on top of the decision tree and come to a conclusion.

