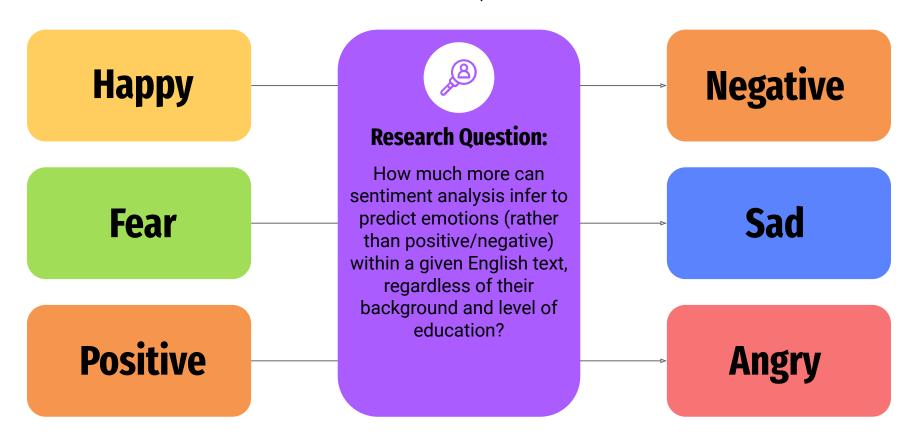


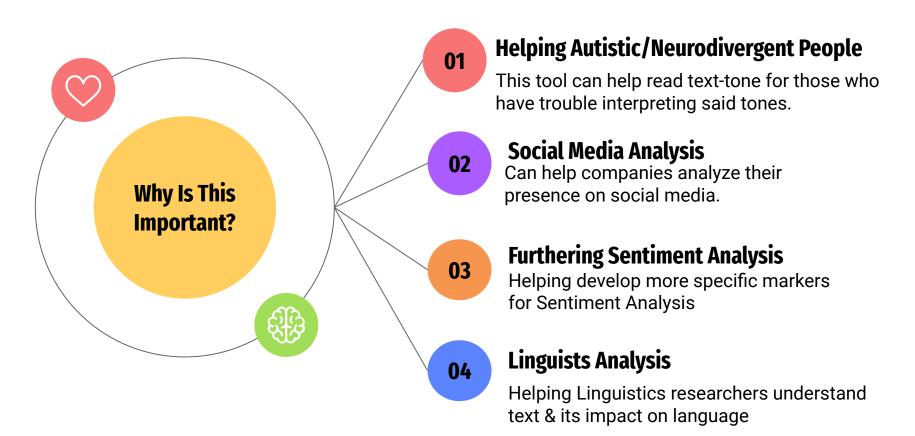
Multi-Dimensional Sentiment Analysis

Jenna, Roger, Rudy, Aniket

Research Question



Importance



Datasets

Datasets:

Our goal is to be able to predict a tone based on a given text.



"Sentiment Analysis Word Lists Dataset" By PRAJWAL KANADE

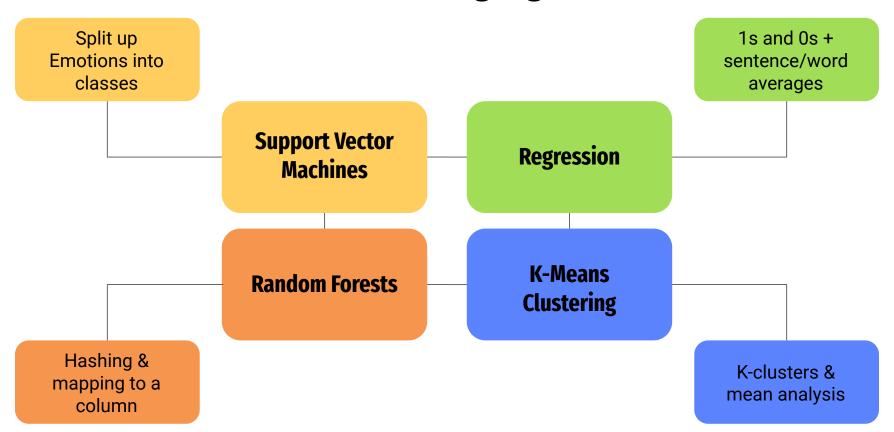
This <u>kaggle database</u> contains 2 files: a list of negative words and a list of positive words.

"Emotion Dataset for Emotion Recognition Tasks"

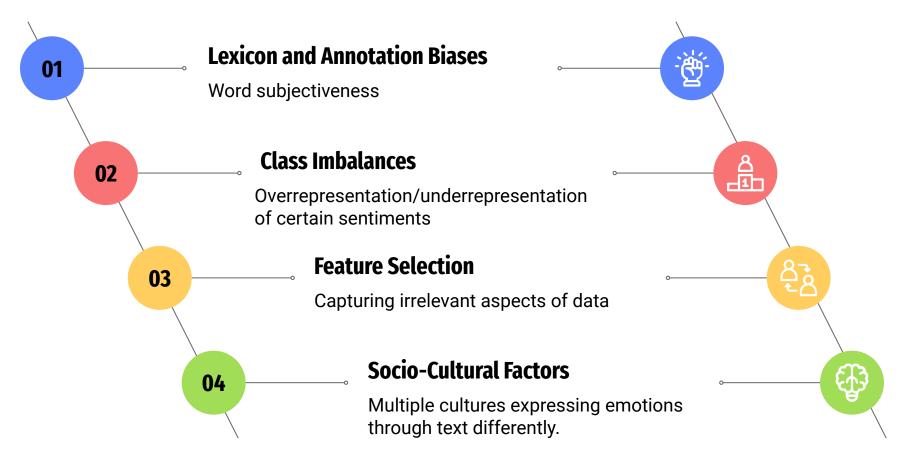
By PARUL PANDEY

This <u>kaggle database</u> contains one file with text & an emotion associated with the text; there are 6 emotions to be identified.

Machine Learning Algorithms



Sources of Bias



Al Impact/Ethics





Good Impact

✓ Helping Neurodivergent People
✓ Accessible AI for all

✓ Business side: being able to interpret if customers are happy or not

Bad Impact

✓ Can be inaccurate and thus cause a rift between people.

✓ On the business side, could cause stocks to go down, etcetera.

Summary

01

Text & Tone

It's important to explore text & tone.

03

Bias

Unavoidable, unfortunately.



02

Sentiment Analysis

Supervised M.L. Algorithms.

04

Good Impact (hopefully)

It was made with good intent.

Sources!

