Classifying Tweets

Overview

- Crowd sourced
- 9093 entries
- 3 columns
  - Tweet
  - Directed to
  - Emotion

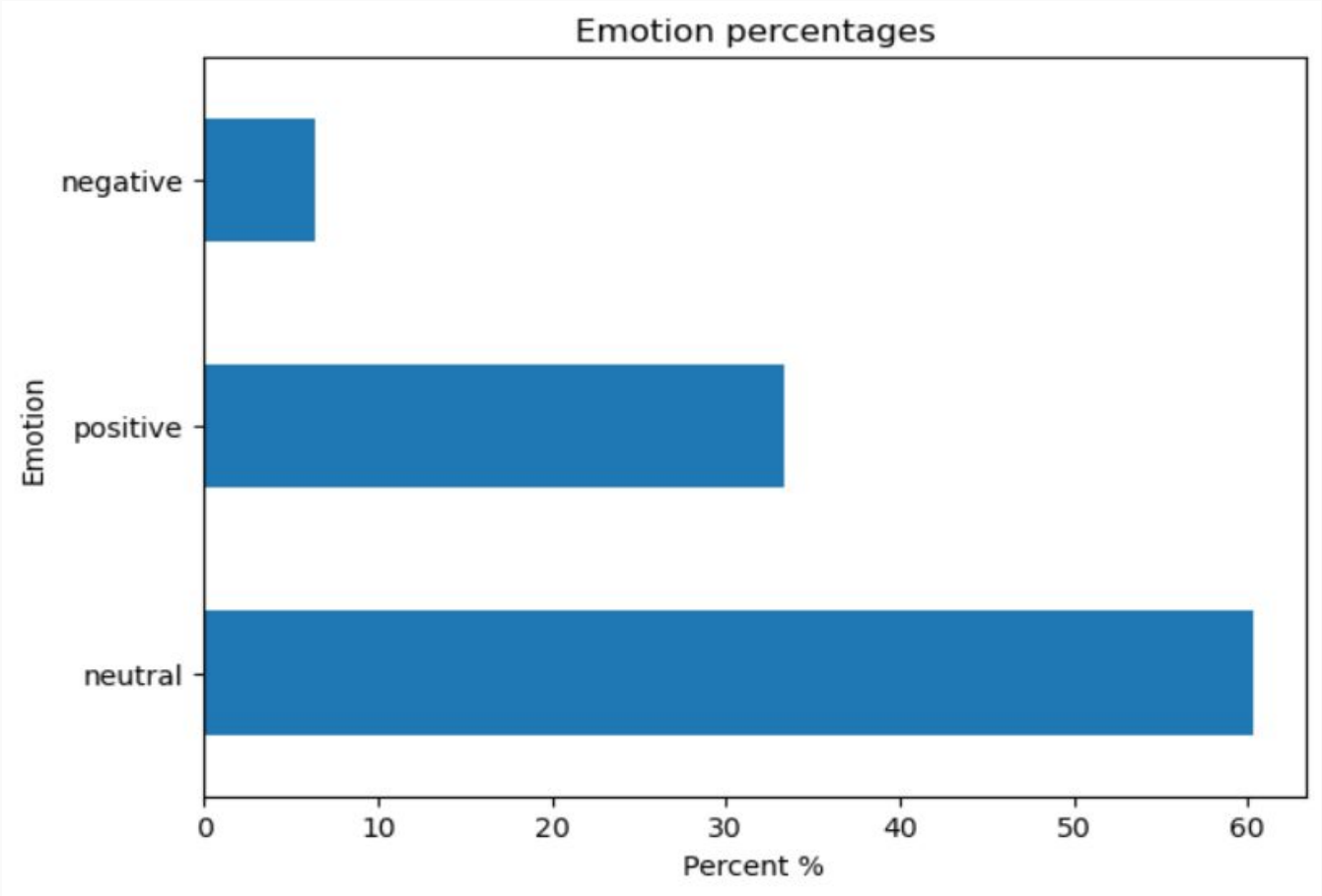
Business Understanding

Natural Language processing

Classify tweets

- Positive
- Negative
- Neutral

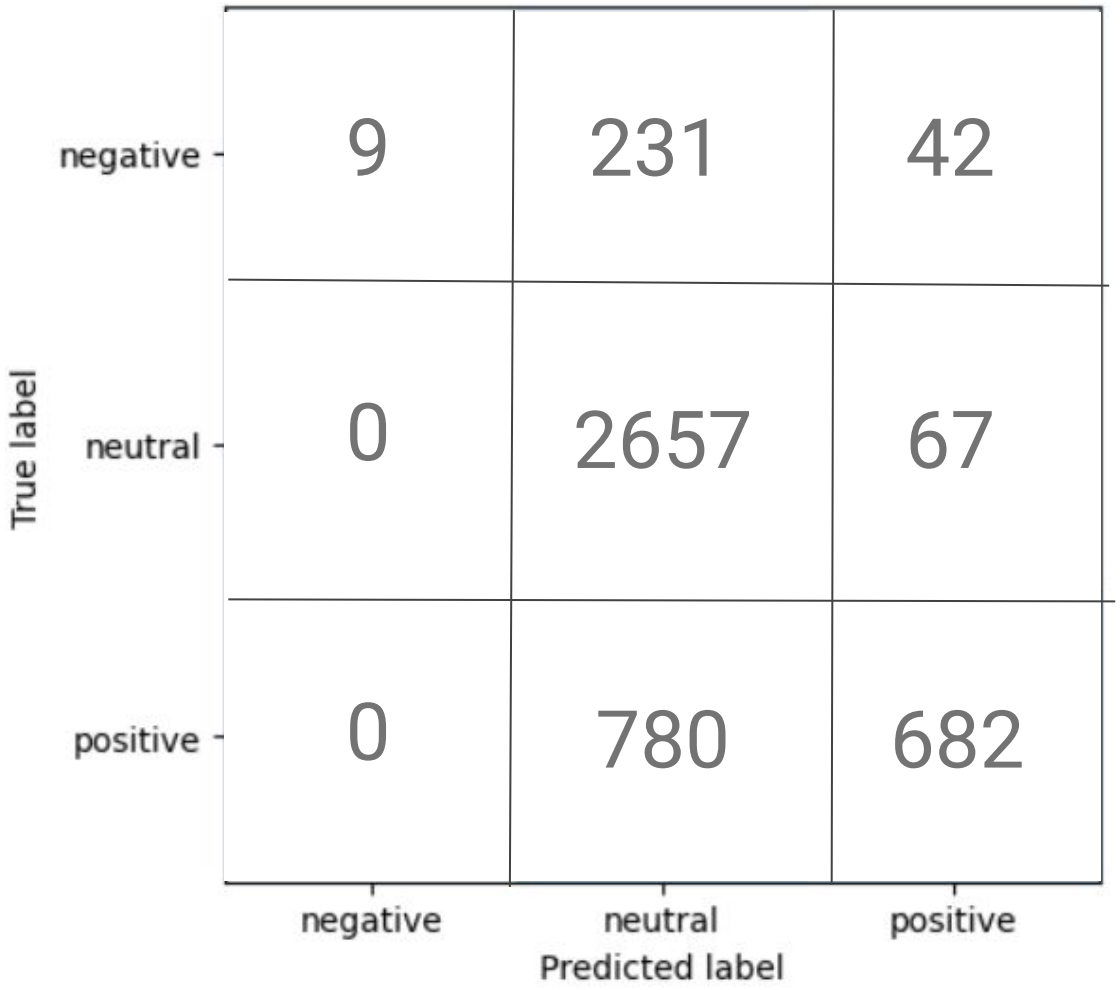
Data Distribution



The Chosen model

MultinomialNB

- Works well for NLP
- Very efficient and easy to use


negative
neutral
positive
True label
9
231
42
0
2657
67
0
780
682
negative
neutral
positive
Predicted label

Recommendations

Suited well for classifying tweets

Precision score of 86 %

Things to improve the model

- More data
  - Negative data is very small

- Ask for a review
- Check in 6 months - year

What next?

- Implement model
- Get more data through twitter or customers

Thank you

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Github : https://github.com/Djohnson1313/nlp_classifier