Exploration of Zipf's Law and Informoral Communication with Twitter Sentiments

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Positive sentiments in informal texts have increased word lengths, but does reduce as frequency increases

1 Introduction

- Investigation on informal text through Twitter data

2 Methods

- 162980 Tweets from Mendeley Data
- Frequency by number of occurrences
- Word length in characters
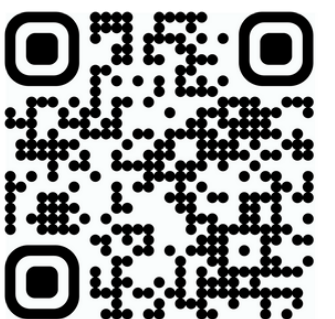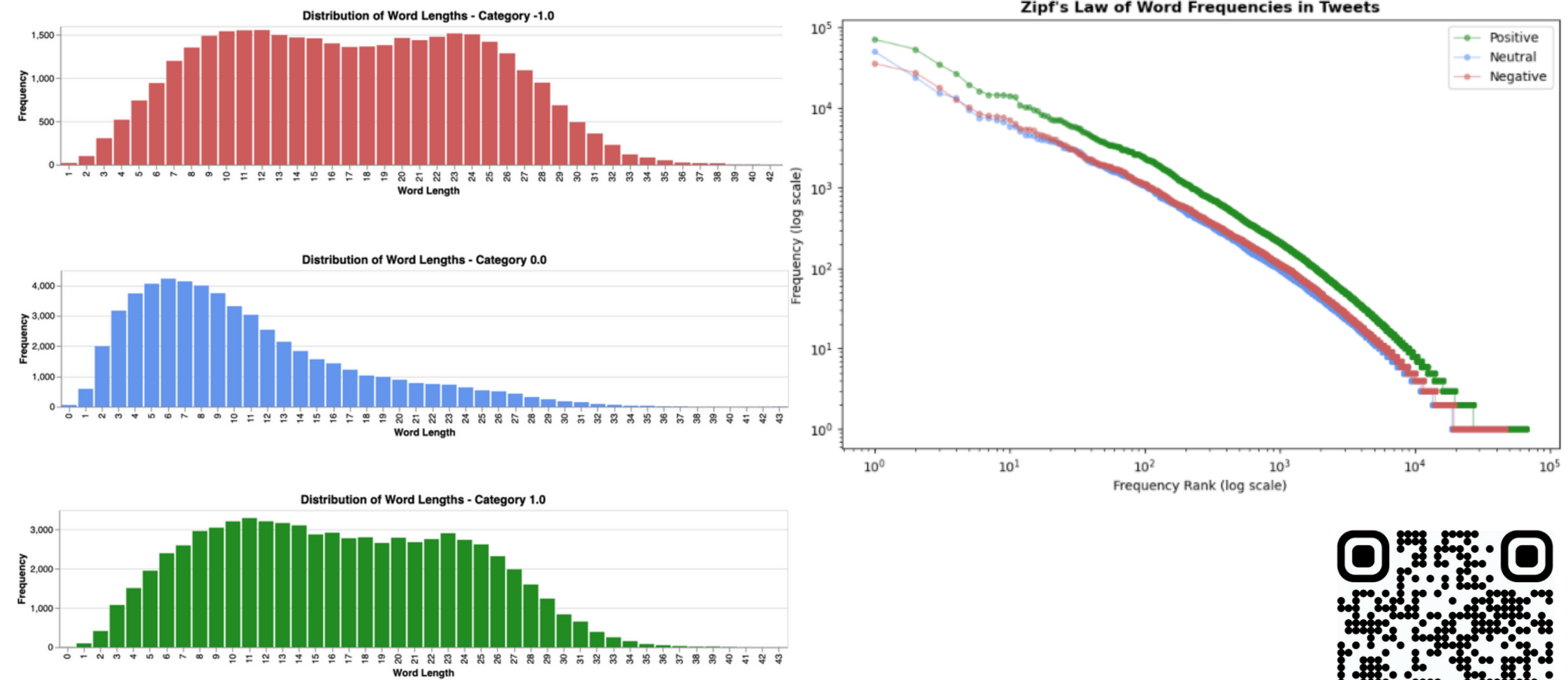- Split and validated data into positive, neutral, and
- negative

3 Results

- 93% accuracy in sentiment prediction
- More Neutral words in informal text
- Word length decreases with frequency

4 Conclusions

- Positive sentiments produce longest words
- Word length varies across sentiments
- Zipf's Law holds in informal language

Analysis

View more here!