

How to Create a Movie Character Recommendation System



Daniel Kim

Creating a Recommender System

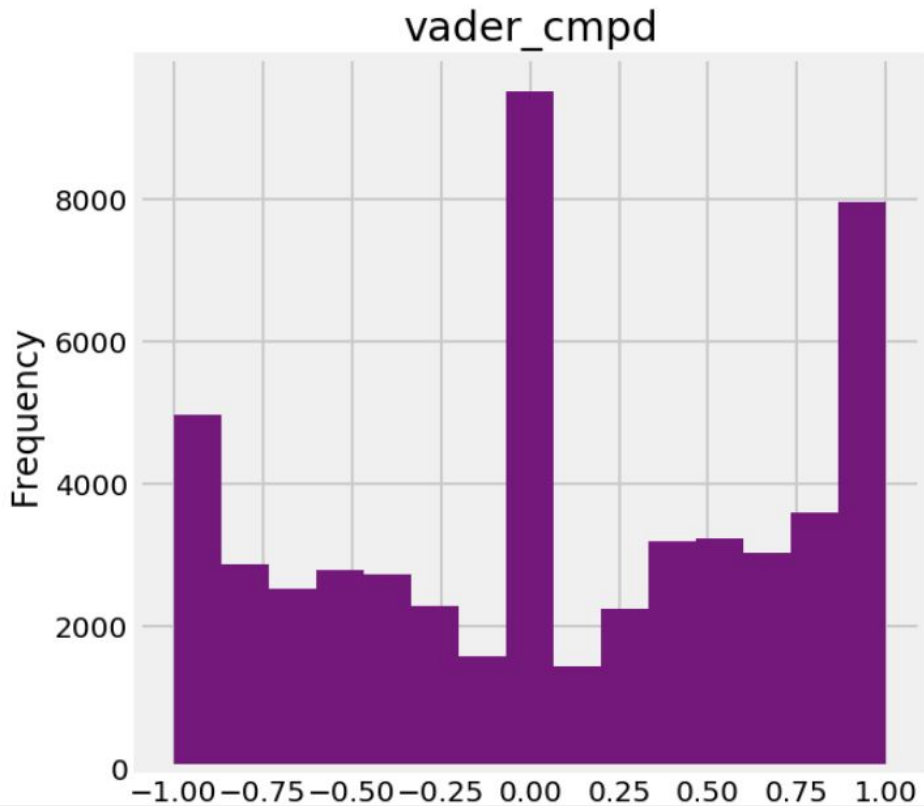
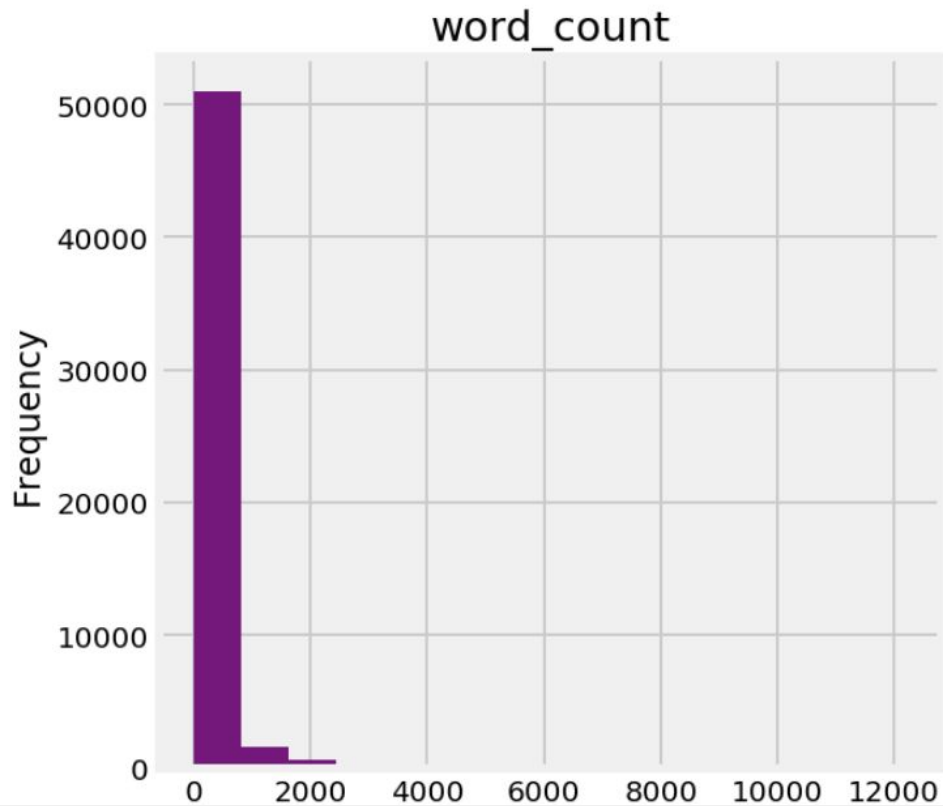
1. Data Collection
2. Use Natural Language Processing
3. Use a Doc2Vec Model
4. Deploy Character Recommendation!

1. Data Collection

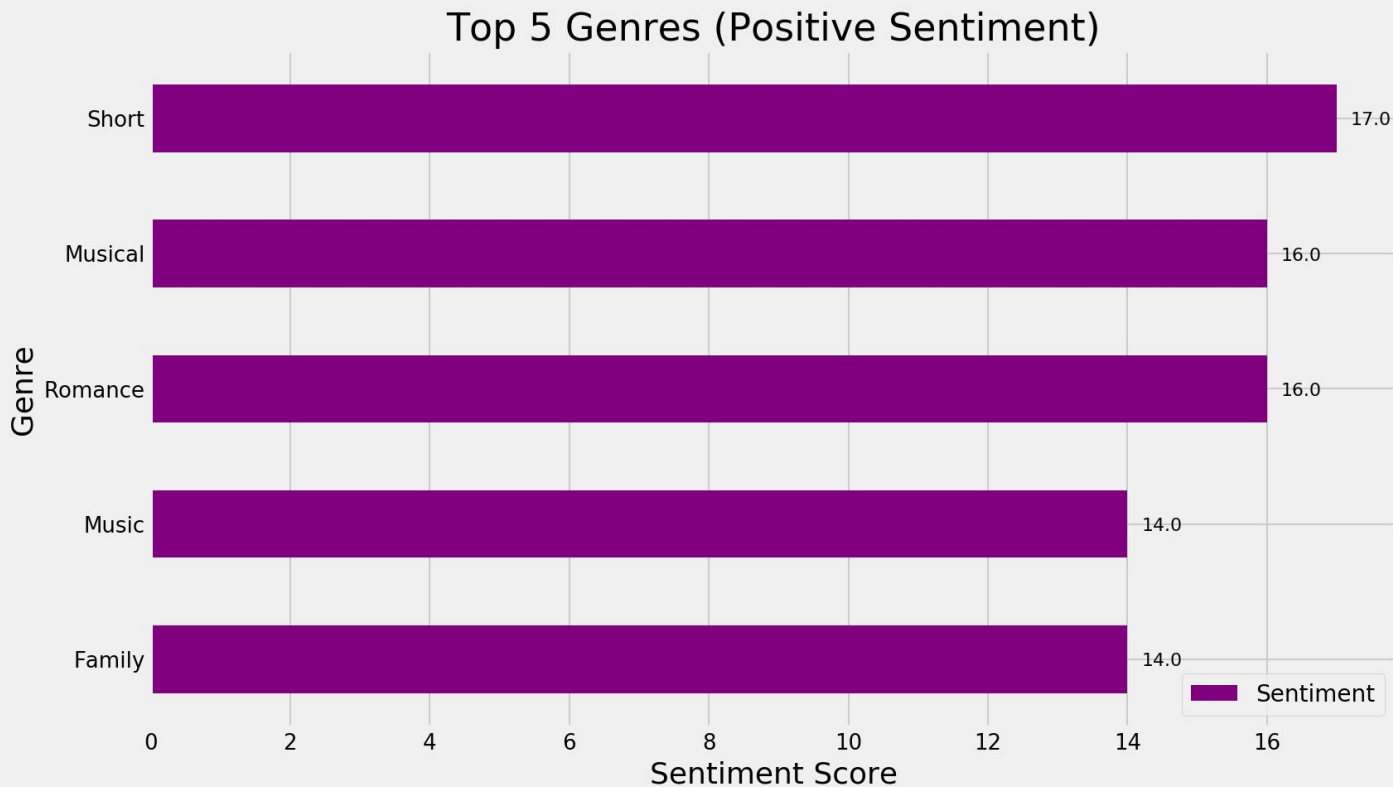
Sources of Data:

1. Cornell Movie Dialog Corpus
2. Cornell Movie Quotes Corpus
3. IMDB.com

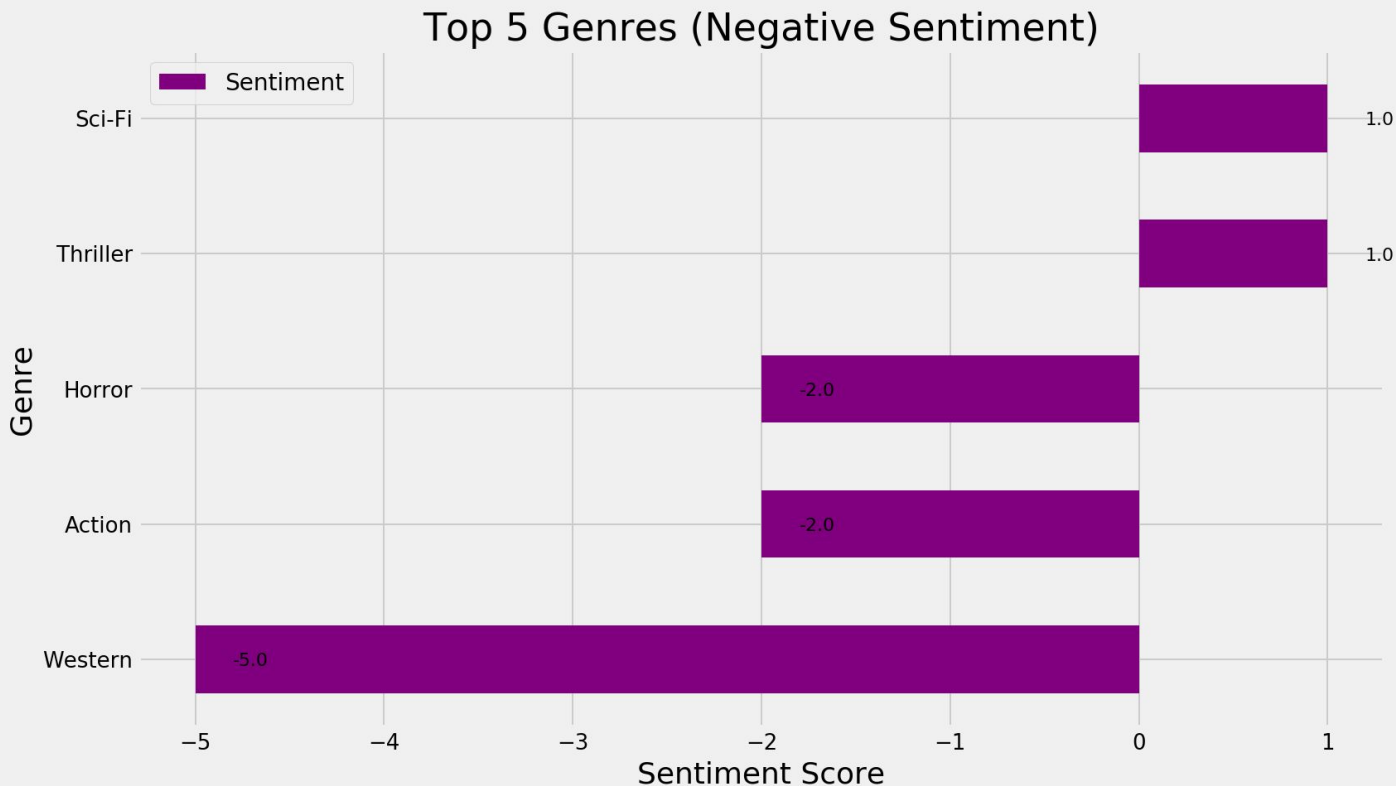
2. Natural Language Processing



2. VADER Sentiment Analysis



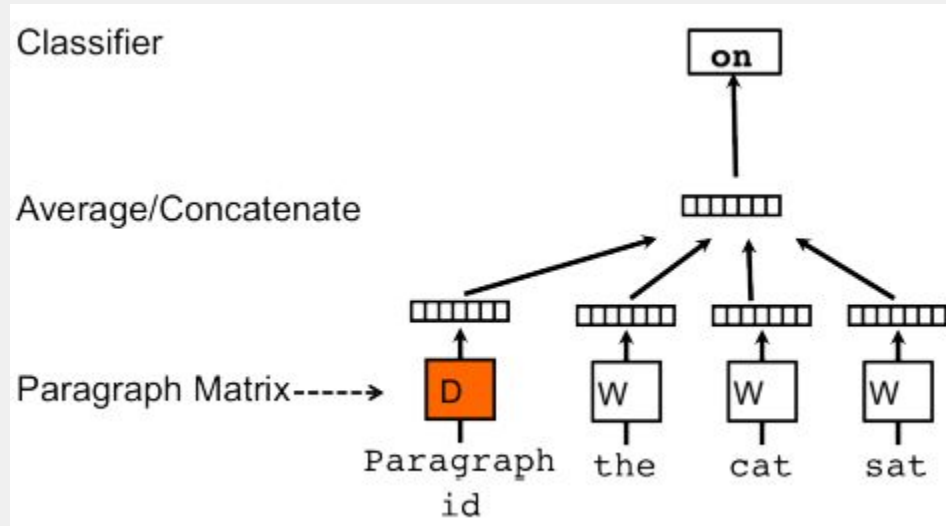
2. VADER Sentiment Analysis



3. Doc2Vec Model

Sources of Data:

1. Continuous Bag of Words
2. Skip Gram
3. Paragraph Matrix



4. Recommendation System!

Daniel's Character Recommendation System