

The background is a gradient of dark blue and purple, speckled with small white dots. On the left side, there are several concentric circles and a large circular scale with degree markings from 40 to 260. Some circles have arrows indicating a clockwise direction. The text is positioned on the right side of the image.

PREDICTING VIEWER SENTIMENT WITH DEEP LEARNING

BACKGROUND



- IMDb is an online database of information related to films, tv programs, and home videos.
 - IMDb has perhaps the largest repository for film and tv show reviews.
 - We can use the reviews and language processing to determine what made the films liked or not.
 - Furthermore, we can use data regarding what the user didn't like or liked about the film to recommend positive films that have been reviewed where the things criticized are absent.



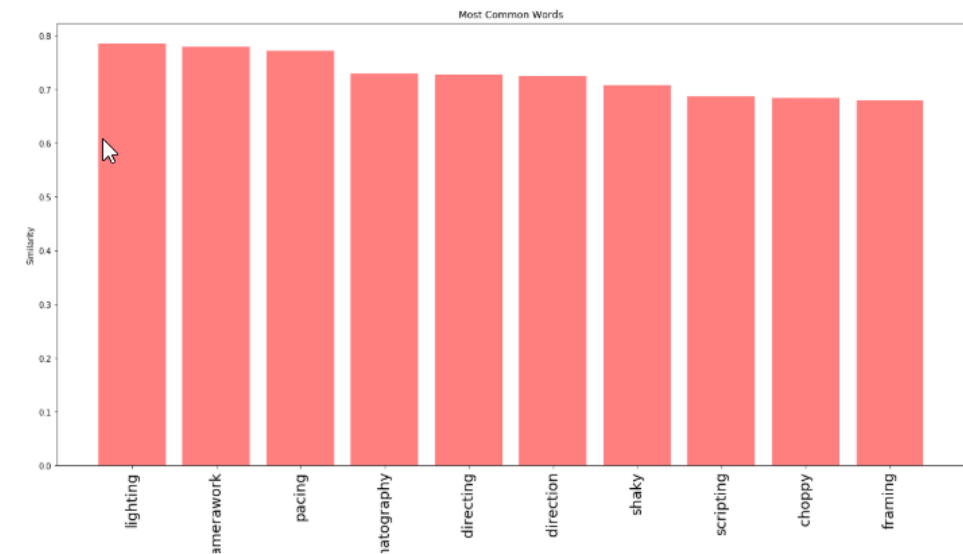
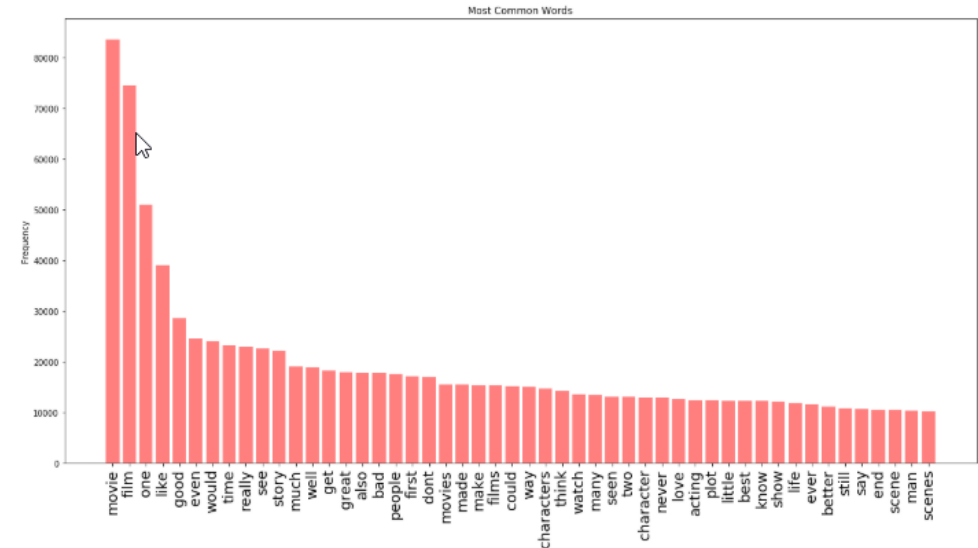
OBTAIN

The reviews were sourced from a Kaggle database that had taken 50000 user reviews for films.

The database had the content of the review and an assessment on whether it was a positive review : (1) or a negative review : (0)

EXPLORE

- Here we see some of the most commonly used words within the dataset.
- Word2Vec shows us the presence of word similarity in the dataset.



MODELING

- Our most optimal parameters were having a model with 5 epochs and a batch size of 256.
- Correctly predicts 87 percent of all film reviews.

