

# IMDB dataset: A Sentiment Analysis

## Overview

IMDb is an online database of information related to films, television series, home videos, video games, and streaming content online – including cast, production crew and personal biographies, plot summaries, trivia, ratings, and fan and critical reviews.

This is a dataset for sentiment analysis of different movies that contains reviews from 500 people wherein 450 is for training and 50 is for testing.

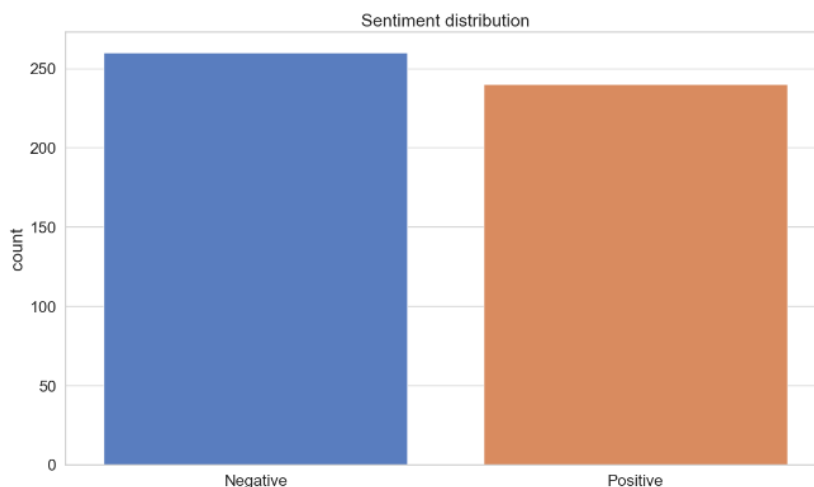
## Objective

The general objective of the analysis is to determine the satisfaction response of the viewers towards the movies.

## Process and Methods

The sentiment analysis used machine learning and natural language processing (NLP) to identify whether a text is negative, positive, or neutral such as the Naive Bayes Classifier. The Naive Bayes algorithm is a supervised machine learning algorithm based on the Bayes' theorem. It is a probabilistic classifier that is often used in NLP tasks like sentiment analysis (identifying a text corpus' emotional or sentimental tone or opinion)

## Results and Discussion



**Figure 1. Sentiment analysis**

Figure 1 shows that the count of the negative reviews is higher than the positive reviews.