

How to Run :

Step1 : Check if flask is installed your system

Step2: Run app.py in your system and run the homepage

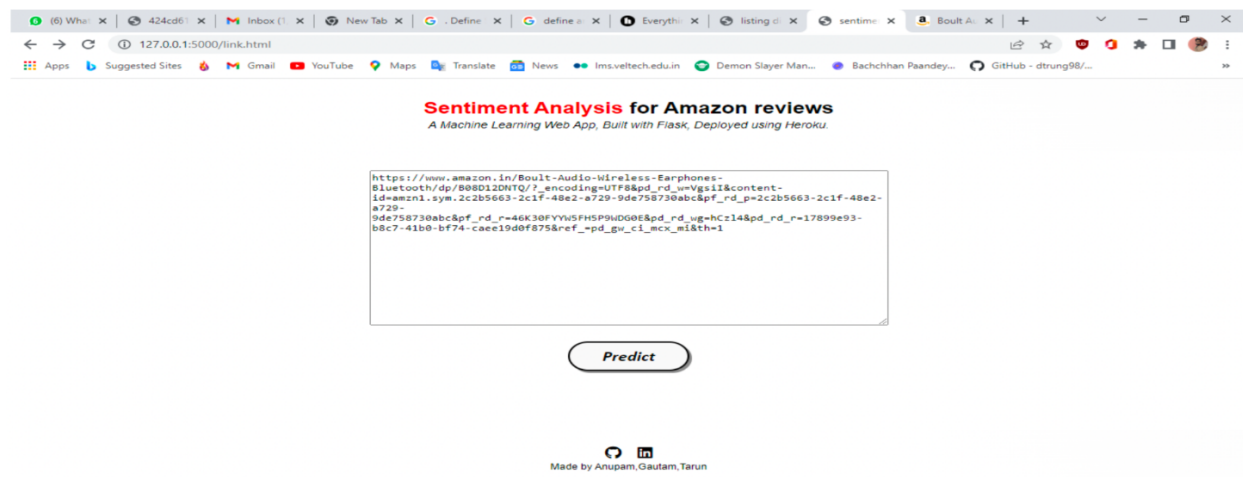
Database:

<https://drive.google.com/drive/folders/174csbTadFVIAMIFPJ4TJkEXtG3wFtt6G?usp=sharing>

Abstract:

E-Commerce has emerged to become one of the biggest industries with a tremendous shift from offline shopping to online shopping. This trend is seeing an exponential rise and more and more people prefer online shopping for factors such as convenience and discounted. To begin, the reviews were converted into vector representations using a variety of techniques, including bag-of-words, Tf-Idf, and glove. After that, we trained several machine learning algorithms, including logistic regression, random forest, naive bias, Support Vector Machine, and bert. This project presents a comparison of multiple machine learning models for doing sentiment analysis on Amazon product evaluations in the Electronics sector. Support Vector Machines, Naive Bayes Classifier, Random Forest Classifier, BERT, Stochastic Gradient Descent (SVM Linear), and Linear SVM models are the key models we will investigate for our investigation. The models were then assessed using accuracy, f1-score, precision, and the cross-entropy loss function.

Input /Output



Amazon Fine Food Reviews Senti: X

amazon-sentiment-analysis.herokuapp.com/predict

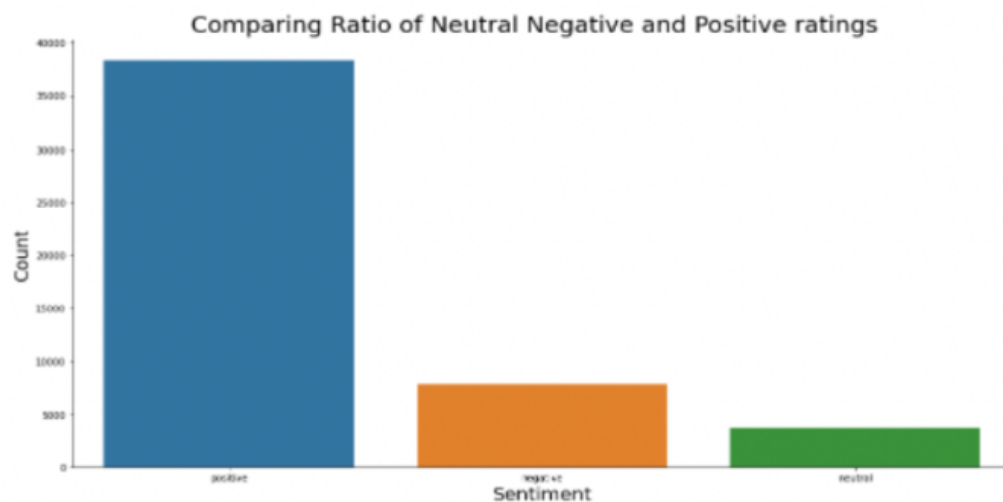
Sentiment Analysis for Amazon reviews
A Machine Learning Web App, Built with Flask, Deployed using Heroku.

Prediction: Great! This is Positive review.

Made by Anupam, Gautam, Tarun

Sentiment Analysis for Amazon reviews

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Most Repeated words in neutral reviews



Most Repeated words in positive reviews



Most Repeated words in negative reviews