

Sentiment Analysis

Aim:

To count the number of positive reviews and negative reviews of a product from Flipkart using a Machine Learning Model.

Requirements:

A dataset consisting of reviews is needed so as to train the model.

Description:

When we open the application, the home page gets opened and it contains a search bar where we can enter the product url and search for the count of reviews. Home page also contains a button named github that redirects to the github page of the project.

After entering the url and press the search button, it goes to other page that contains the information like total number of positive reviews and total number of negative reviews and two buttons named Reviews and word cloud.

Here we get the count of top 1000 reviews only if the product has more than 1000 reviews.

When we click the reviews button in this page, it redirects to the page that contains a table displaying with the details like product name, product price, Overall rating of the product, Customer name, Customer rating, Comment head and comment.

The table shows all the details up to 80 records only if the product has more than 80 reviews.

When we click the wordcloud button, it shows the wordcloud of all the comments.

→ If there are no reviews written for the product, it displays a message that people have not given any reviews for this product.

→ If there is any url mistake given in the search bar or any other kinds of mistakes, it simply redirects to page that shows 404 error and suggests to go back home.

Use cases:

When Flipkart announces deals that ends within a less time, some times there is no option for cash on delivery and also return policy option, then we can make use of this to decide whether to buy that product or not.

Home page

Home Github
<div><p>Search for Sentiments of all reviews</p><p>Provide the url below</p><div><input type="text" value="What are you looking for?"/></div><div>Search</div></div>

After clicking on search button

Product Sentiment

Product Sentiment
Classifies and counts reviews.....

(Positive) (Negative)

According to the prediction,

Total Positive reviews : —

Total Negative Reviews : —

To see reviews, click here

(Reviews)

For wordcloud of reviews,

(wordcloud)

If there are no reviews,

No reviews are given

by people for this

product

By clicking on wordcloud button,

word cloud of reviews will be shown here

In case of any mistake,

Oops!

404 error

Something went wrong

[Go Back Home](#)