

Natural language processing (NLP)

Natural language processing (NLP) refers to the branch of computer science and more specifically, the branch of artificial intelligence concerned with giving computers the ability to understand text and spoken words in much the same way human beings can. Sentiment analysis is identifying as well as classifying the sentiments that are expressed in the text source. The naïve Bayes algorithm uses conditional probability. Sentiment Analysis is done very efficiently on Twitter because of the presence of independent features like emotional keyword, count of positive and negative hashtags, count of keywords which are positive and negative, emotional keyword and emoticons.

Project

I have completed this project Internship in Innodatastic

python

Language-Python, R.

Front End-HTML.

Objective- Daily Twitter data analysis for a product. need to get daily analysis for a product such as sentiment and emotional using Twitter data.

Technique and Tools- Navie bayes classification techniques,Python.

Data collection- Extracting of live data of any hashtag or screen name from Twitter using Twitter API. we have created an account on Tweepy API linked to our Twitter account. To retrieve the tweets, Tweepy API accepts parameters and provides the Twitter account's data in return.

Data Pre-processing

Data transformation done by doing data preprocessing activity using Python or R.

Polarity Calculation and Sentiment Analysis.

We have done Twitter sentiment analysis by classification techniques.

Naïve Bayes Classifier

Step 1: Create data files for the classifier. Create a file of tweets with their sentiment of each sentiment analyzer Create a file of negative and positive labeled tweets of each sentiment analyzer (training set) (1.3) Convert all csv files to format file for Weka compatibility. Math. Comput.

Step 2: Build Naïve Bayes classifier model on Weka. Create model of each analyzer by providing the training set file.

Step 3: Execution of model on test set. Load the test set file.

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Visualization - visualize the data using different plot like pyramid, bar chart, line graph, pie chart.

Deployment-deploy the project on heroku.

why we should hire you?

I possess all the skills and experience that you're looking for. I'm pretty confident that I am the best candidate for this job role. It's not just my background in the past projects, but also my people skills, which will be applicable in this position.

Project link:- <https://github.com/PUNAM-CODE/twitter-sentiment-deployment-heroku>