

SENTIMENT ANALYSIS ON TWITTER AIRLINE

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TWITTER SENTIMENT ANALYSIS

INTRODUCTION & TECHNIQUES

What is sentiment analysis?

Sentiment Analysis is the process of 'computationally' determining whether a piece of writing is positive, negative or neutral. It's also known as **opinion mining**, deriving the opinion or attitude of a speaker.

REQUIREMENTS: i)Jupyter Notebook

ii)Python 3

iii)Anaconda

DataSet: TweeterAirline Dataset

Step1:Import Libraries & Loading The Datasets

Step2:Tweets preprocessing and cleaning

A) Removing Twitter Handles (@user)

B) Removing Punctuations, Numbers, and Special Characters

C) Removing Short Words

D) Tokenization

E) Stemming

Step3: Model Building: Sentiment Analysis

A) TF-IDF using the Scikit-Learn Library: The idea behind the TF-IDF approach is that the words that occur less in all the documents and more in individual document contribute more towards classification.

B) Dividing Data into Training and Test Sets

C) Training the Model: Here we used LogisticRegression model for maximum accuracy

D) Making prediction and Evaluating the Model

References: A)Geeks for Geeks
B)AnalyicsVIdya
C)Youtube
D)Stackbuse
F)StackOverflow