TITLE: Tiwtter Data Analysis.

Problem: Twitter Data Analysis: use Twitter Data
Statement for sentiment analysis. The dataset is 3 ms
in the size and has 8523 rows of the states of a other.

Unicables. Predict the soles of a other.

31,962 Tweets. Identify the hate tweets of which are not.

Objective: i] To do analysis of witter data.

ii] Sentiment analysis.

outcome: i) To learn the data analytics concepts
ii) To learn the sentiment analysis.

Softward: 05: windows obunto distribution and Hardward 968 fam soo GB HDD, lython leguiserents graneworks, lython Libraries, wither Dataset.

Theory:

Sentiment analysis is the automated frocess by

analyzing text data of corting it into sentiments fasitive
negative or newtral. Using sentiment analysis

tools to analyze officient in iwitter data (an
help containes understand how feetle are talking
nout their brand. Twitter boasts 330 Milion

monthly active users, which allows businesses

to reach a broad audiences and onnect
with autonors without intermedianies on

the downcide there is so noth injuriation that it's hard for boards to quickly detect negative.
Social Mentions that could have their business sub is why social Pertening, which involves monttoring conversations on social media playorys aralysis is called folarity detection and involves classifying a statement as positive, regative or neutral. A sertiment analysis Model would automatically tag a tweet like "love the new Security feature" as Postitive. They this processe out don yourself in the sentiment analyzer below. Senfinent analysis ass Nestural tanguage processing to make serve of human larguage and Madrine learning to automatically definer accurate results. fou do 00 builter Sontiment Analysis? Perferencing sontiment analysis on twitters data "muolues several stels: if Get twiffer Data: 35's imprortant that your data is refresentative of what your's toying to find out because you'll use it to: · Ixan your sentiment analysis model. · Test now your model Perporus on Twitter Whole Data to the you should consider the types of tweets you want to analyse:

- · current beets: useful to track permoxals ar hostages
- · Historical freets: we will to compare Gentiments
 over disperent for ods.
- 2) before your Data: Once you've captured the tweets you need for your sentiment analysis, you'll need to frefore your data. Is we mentioned corlier soilal media data is unstructured. That main it's raw noisy and needs to be cleared before we an start warking on our sentiments aralysis model. Two is implied to mare accurate good quality data will lead to mare accurate resolts. Prefocessing a Twitter datasets involves a serolts. Prefocessing a Twitter datasets involves a serolts of tasks like renowing all tyles of isoselevent injuritation. Pree enough, sleetal (maraters) and extra black space.
- 3) Greate a Twitter Sentiment Analysis Model:

 if you want to get predictions with a higher

 well of acturacy, tollowed to your criteria and

 domain then the best way is to create your

 own custorlized Sentiment Analysis model by training

 it with your own twitter data.

H) Visualize your lata:

Data Visualization tool help explain sentiment

Analysis sesults in a simple and exertive

way.

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Conclusion: Junes we successfully done twitter sont ment analysis and identified hate tweets.