Application of Data Science Proposal

Semester Project

Group Members.

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Twitter Sentiment Analysis using Machine Learning.

Sentiment means Emotion's.

In which we make that type of Algorithm's those Who sense the content weather it is negative, positive, or neutral. From Twitter comments we find from emoji's or content weather it is negative, positive, or neutral.

In this project, we try to implement a NLP **Twitter sentiment analysis model** that helps to overcome the challenges of identifying the sentiments of the tweets. The necessary details regarding the dataset involving twitter sentiment analysis project.

Project Pipeline:

The various steps involved in the **Machine Learning Pipeline** are :

- Import Necessary Dependencies
- Read and Load the Dataset
- Exploratory Data Analysis
- Data Visualization of Target Variables
- Data Pre-processing
- Splitting our data into Train and Test Subset
- Transforming Dataset using TF-IDF Vectorizer
- Function for Model Evaluation
- Model Building
- Conclusion