Assignment

[Nilansh Kumar Singh]

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Problem Statement

- work on two primary dataset.
  1. Bitcoin Market Sentiment Dataset
  2. Historical Trader Data from Hyperliquid

our objective here is to explore the relationship between trader performance and market sentiment then find hidden pattern and deliver insight for smart trading strategies

Dataset :-

1.) Bitcoin Market Sentiment Dataset

↳ it tell you the emotion or mood of the crypto market on each day.

↳ Fear , Greed

2.) Trading Data

↳ It contain real trading activity.

↳ what people bought and Sold

↳ At what price and size

↳ wheather they made a profit or loss

Goal :-

1.) Find out if market emotions (fear/greed) affect how well traders perform.

↳ Provide the Basic Insight.

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Approach :-

1.) Load the Data in VS code (.ipynb)

2.) Clean the Data

↳ make sure Data in both datasets are in correct format [YYYY-MM-DD]

Check for missing values, Duplicate, weird or incorrect entries.

3.) Connect both the Datasets

↳ Both file have a data - coloumn

↳ use the column to merge the two datasets

4.) Analyze performance based on sentiment

↳ compare, find pattern, provide insight

5.) Visualize

↳ use matplotlib or seaborn to create charts

- Boxplots for profit / loss per sentiment
- create Bar Chart

6.) Summarize your insights