**Readme File:**

1. In Google Colab / Jupyter

* You can just open a new text cell and write it in Markdown style, but for submission, it’s better to save it as a separate file.
* In your Colab, create a new cell and run:

readme\_content =Trader Behaviour vs Market Sentiment Analysis

Overview

This project analyses the relationship between trader behaviour on the Hyperliquid exchange and market sentiment measured by the Fear–Greed Index. It uses two datasets (trades + sentiment), merges them on date, and compares profitability, trade sizes, and sentiment patterns.

Folder Structure

Steps to Run

1. Open `notebook\_1.ipynb` in Google Colab.

2. Upload the original trade (XLSX) and sentiment (CSV) datasets.

3. Run all cells to:

- Clean & merge data

- Generate summary stats

- Create visualisations

- Perform statistical tests

4. Outputs are saved automatically into the `csv\_files/` and `outputs/` folders.

Requirements

- Python 3.x

- pandas

- matplotlib

- seaborn

- scipy

Install dependencies:

```bash

pip install pandas matplotlib seaborn scipy

**Results Summary**

* Highest average profit observed on Greed days.
* Largest trade sizes on Extreme Greed and Fear days.
* Statistically significant profit differences between Fear and Greed.
* Negligible correlation between sentiment score and profit (r = 0.011).