Data Science Assignment – Web3 Trading Team

Candidate: Devraj Choudhary

Objective

Explore the relationship between trader performance and market sentiment using Bitcoin Fear & Greed Index.

Key Insights

- Traders tend to have higher PnL stability during Greed periods.

- Trade sizes (volume) were generally larger during periods of Extreme Greed.

- SELL trades were slightly more common during Fear, suggesting caution.

Charts

- PnL vs Market Sentiment

- Volume vs Market Sentiment

- BUY vs SELL Distribution by Sentiment

Conclusion

Greed-driven markets may lead to higher trader engagement and stability, while Fear conditions show more erratic outcomes.