<u>Data Science Assignment – Web3 Trading Team</u>

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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.