

# Bitcoin Market Sentiment vs Trader Performance

## OBJECTIVE:

Explore how Bitcoin market sentiment (Fear vs Greed) influences trading performance.

## DATA SOURCES:

1. Hyperliquid Trader Data (execution price, size, side, pnl, leverage, etc.)
2. Bitcoin Sentiment Index (classification: Fear or Greed)

## KEY INSIGHTS:

- Avg. PnL during 'Greed' sentiment is significantly higher than during 'Fear'.
- Traders were more profitable on Greed days (over 60% positive PnL).
- Higher leverage during Fear correlated with higher losses.
- Short positions were more frequent during Fear but had lower average success.

## VISUAL INSIGHTS:

- Boxplot shows wider PnL distribution during Greed.
- More trades occur during Fear, but profit rate is lower.
- Trade counts and average leverage differ by sentiment.

## RECOMMENDATIONS:

- Consider lower leverage on Fear days to manage risk.
- Prioritize long strategies during Greed sentiment periods.
- Use sentiment as a core signal in trading bots.

FILE EXPORT:

Merged dataset saved as: final\_trader\_sentiment\_data.csv

Power BI ready.