

Trader Behavior Insights — Relationship Between Market Sentiment & Performance

Objective: Analyze how trader performance (PnL, trade size) varies with Bitcoin market sentiment (Fear, Greed, etc.) using Hyperliquid trade data and Fear & Greed Index.

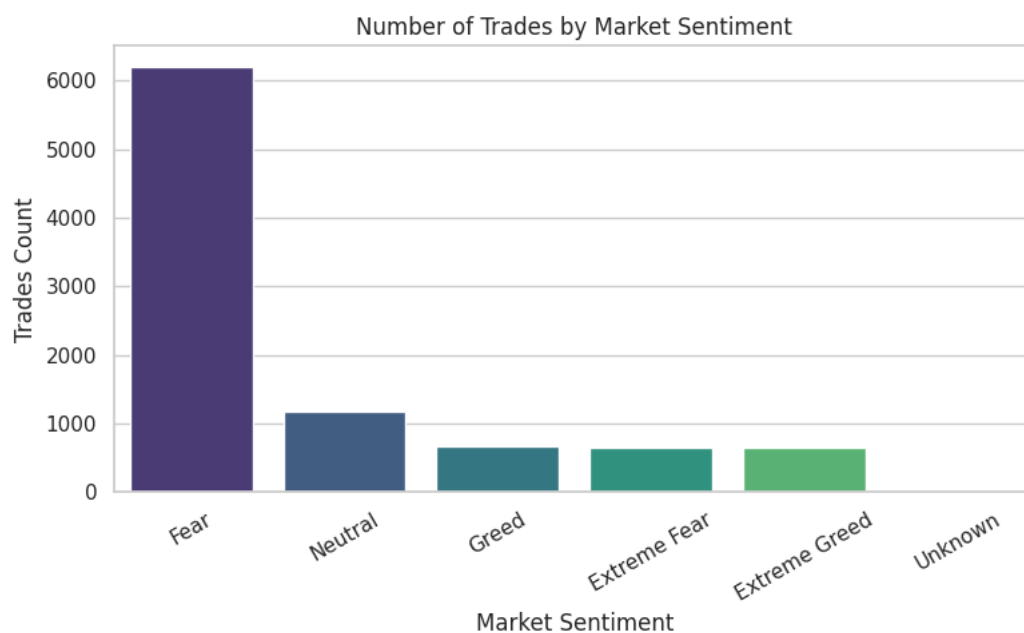
Data Overview:

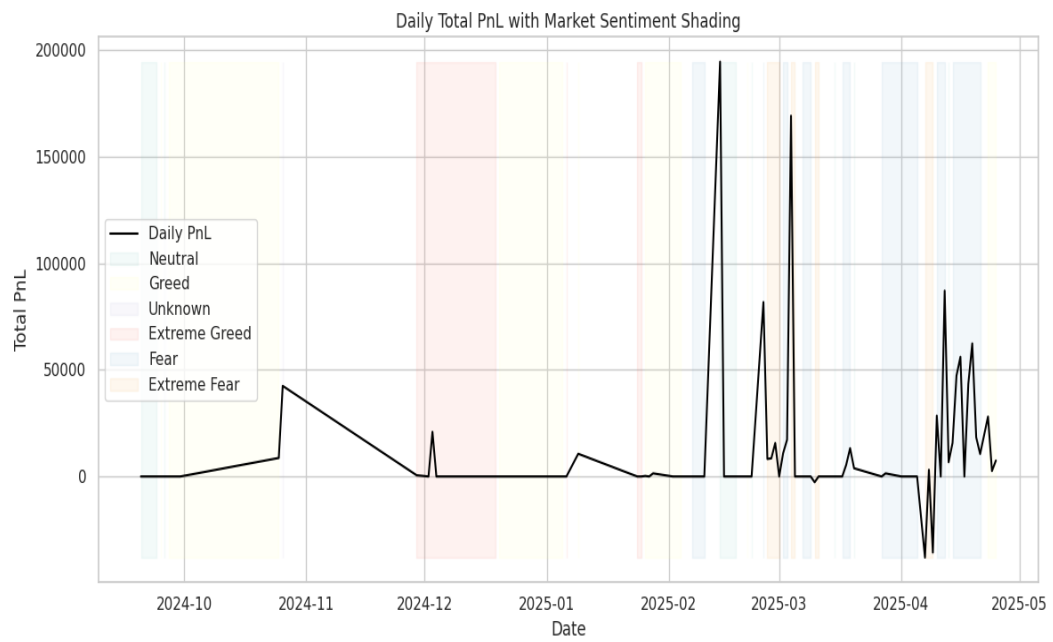
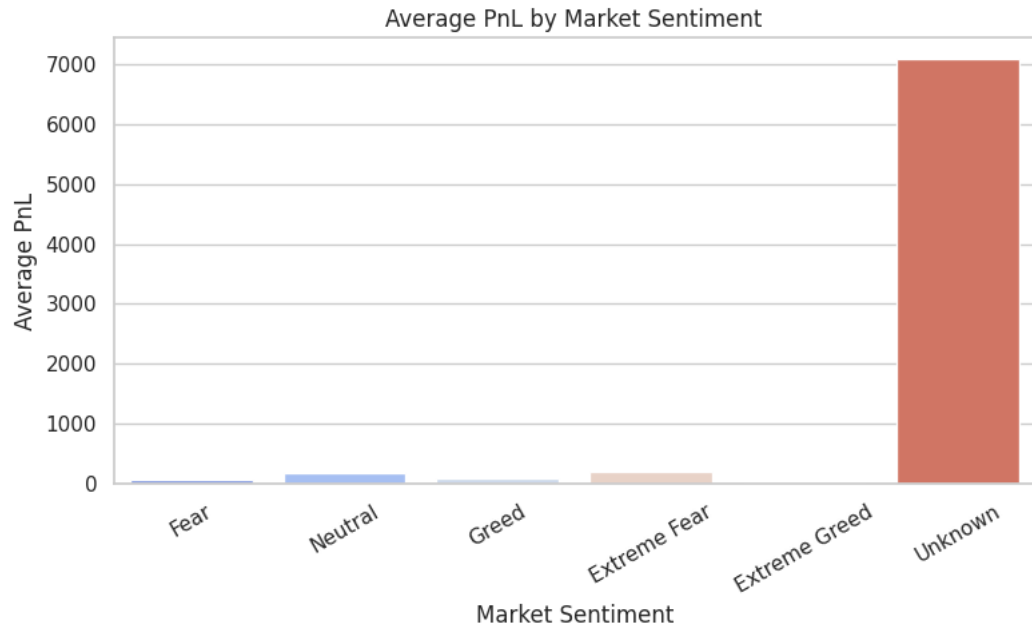
Fear & Greed Index: 2644 rows, 4 columns. Sentiment categories: Fear, Extreme Fear, Neutral, Greed, Extreme Greed.

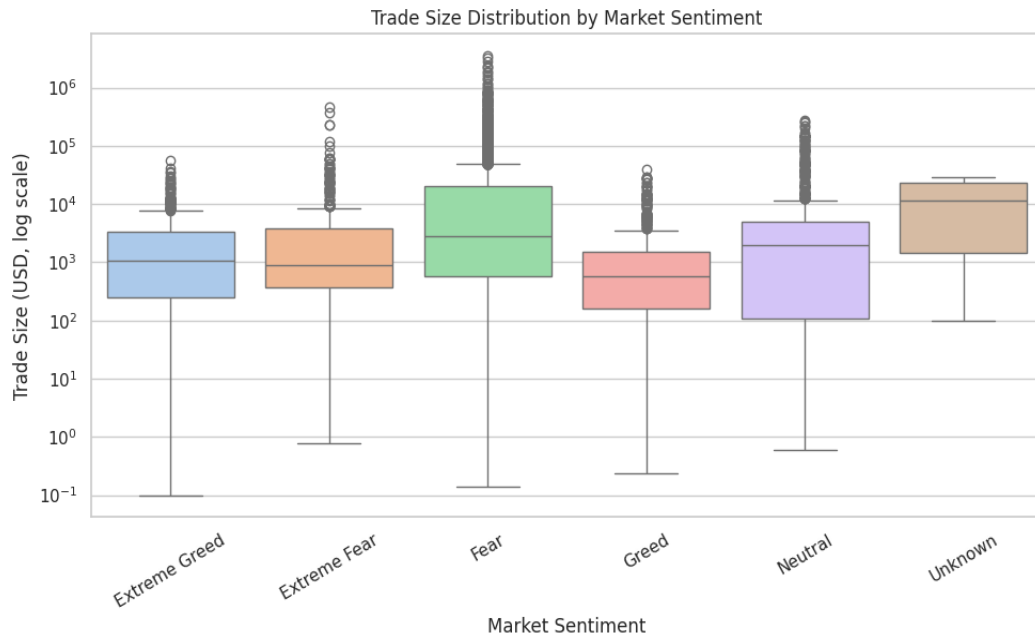
Hyperliquid Trades: 9322 rows, 17 columns. Covers various coins, trade sizes, and timestamps.

Key Findings:

- Fear days have the highest trading activity but moderate average PnL.
- Neutral days see fewer trades but much higher average PnL, suggesting cautious but profitable trading.
- Extreme Greed shows low average PnL, possibly due to overconfidence.
- Trade sizes vary widely across sentiments, with some extremely large trades in Fear periods.







Insights & Recommendations:

- Monitor sentiment shifts: sudden moves from Neutral to Fear/Greed may present profitable entry points.
- Avoid excessive leverage during Greed periods to prevent losses.
- Use sentiment as a filter to adjust position sizing.

Conclusion: Sentiment analysis provides valuable context for trader behavior. Integrating these insights into trading strategies could improve risk management and profitability.