

# Trader Performance vs. Market Sentiment

This report summarizes insights from the analysis of trader performance against Bitcoin market sentiment (Fear vs Greed Index). Data was merged from historical trades and sentiment indicators to uncover patterns influencing profitability and strategy.

## Key Findings

- **Win Rate:** Traders showed higher win rates during *Greed* sentiment compared to *Fear* sentiment.
- **Average PnL:** Mean profit per trade was greater under Greed, though variance increased, indicating higher risk.
- **Symbol Impact:** Certain coins (e.g., BTC, ETH) performed differently depending on sentiment, suggesting symbol-specific strategies.
- **Position Sizing:** Larger starting positions tended to amplify both gains and losses, highlighting risk management needs.

## Recommendations

1. Develop adaptive strategies that go more aggressive in *Greed* phases while tightening stop-loss rules in *Fear* periods.
2. Introduce symbol-level strategies — certain assets behave better in bullish sentiment cycles.
3. Implement dynamic position sizing: scale trades relative to sentiment strength and volatility.
4. Continuously monitor Fear & Greed indices as input features for risk-adjusted strategies.

In conclusion, sentiment-driven trading insights can significantly optimize risk-adjusted returns. This analysis demonstrates that integrating behavioral indicators like the Fear & Greed Index into execution models provides traders with a measurable performance edge.