

Final Summary: Methodology, Insights & Strategy Recommendations

1. METHODOLOGY

Data: 184,263 trades from 32 Hyperliquid accounts merged with Bitcoin Fear/Greed Index across 6 trading days (March 2023 - February 2025).

Approach: (1) Data preparation & metric creation, (2) Performance comparison by sentiment, (3) Behavioral analysis, (4) Trader segmentation, (5) XGBoost modeling (76.58% accuracy).

2. KEY INSIGHTS

Insight 1: Performance Paradox - Win Rate \neq Profitability

Traders with 38% win rates achieved higher profits (\$322k) than 62% win rate traders (\$253k) through 2.4x larger position sizing. **Implication:** Position sizing beats accuracy.

Insight 2: Contrarian Behavior During Greed Works Best

Greed days show 57.5% short bias and highest PnL (\$87.22/trade). **Implication:** Short into strength during extreme greed.

Insight 3: Neutral Sentiment = Worst Performance

Neutral days: 31% win rate, \$21 PnL, 79.9% overtrading. **Implication:** Reduce activity when sentiment unclear.

3. ACTIONABLE STRATEGIES

Strategy 1 - Contrarian Greed Play: Increase shorts 20-30% with larger sizes (\$5k+) when Fear/Greed Index is 60-75.

Strategy 2 - Avoid Neutral Days: Cut trading 50%, limit positions to \$2k max when Index is 45-55.

4. MODEL PERFORMANCE

XGBoost: 76.58% accuracy predicting high-profitability days. Top features: Win Rate (26%), Trade Frequency (18%), Long Ratio (15%).

Bottom Line: Trade contrarian during greed, avoid neutral chop, prioritize position sizing over win rate.

Small dataset (6 non-consecutive days) limits generalization. Analysis: February 2026 | 184,263 trades.