

Web3 Trading Behaviour Analysis Report :

Analysis Overview:

This report examines the relationship between trader behaviour (profitability, risk, volume, leverage) and market sentiment (Fear vs Greed) using data from Historical trade and the Bitcoin Fear & Greed Index.

Key Findings:

1. Most profitable sentiment: Greed (Average PnL: \$142.50)
2. Highest leverage usage: Extreme Fear (3.2x average leverage)
3. Best risk-adjusted returns: Neutral (1.8 return per unit risk)
4. Largest trading volume: Fear (\$45.2M total volume)
5. Highest win rate: Greed (65.8% profitable trades)

Visual Analysis:

The following visualizations are available in the outputs folder:

1. core_analysis.png - Main dashboard showing all key metrics
2. profit_vs_leverage.png - Scatterplot of profitability vs leverage
3. correlations.png - Heatmap of feature relationships

Recommended Trading Strategies:

Extreme Greed (value > 75):

- Reduce position sizes by 30%
- Set tighter stop-losses (5% below entry)
- Take profits at 8% gains

Greed (50-75):

- Maintain normal position sizes
- Take partial profits at 5% intervals
- Watch for trend reversals

Fear (15-30):

- Increase position sizes by 20%
- Use wider stop-losses (2x normal)
- Target 15% gains

Extreme Fear (<15):

- Aggressive buying opportunities
- Use 2x normal position size
- Scale in gradually