REPORT FOR ANALYSIS AND STRATEGY DEVELOPMENT.

Analysis of Two Datasets – Trader Behavior & Market Sentiment.

1. Trading Volume

Sentiment Volume (USD)

Fear   79,674,391.06

Greed   57,045,815.74

Outcome:

- **Fear traders move more money** than greed traders, indicating **higher capital involvement**.

2. Trade Direction (Buy/Sell)

Outcome:

- **Fear traders are more BUY-biased**: 7307 BUYs vs 6562 SELLs.
- **Greed traders lean slightly toward SELLs**: 5407 BUYs vs 5885 SELLs.

3. Profitability

Outcome:

- **Fear traders have more than double the average profit per trade** than greed traders.

4. Cost

Outcome:

- Both groups pay similar fees.
- Slightly **higher fees for fear traders** may indicate **more aggressive or urgent trading strategies.**

5. Hourly Activity

Outcome:

Fear and greed traders both show **activity spread throughout the day**, but:

Fear sentiment peaks during hours like **3:00, 4:00, 8:00, 18:00, and 23:00**, aligning with global market overlaps.

Strategies Breakdown: -

1.Focus on Trading During Greed or Extreme Greed Sentiment:

Why: Highest average profit per trade: **$104.45.**

Use sentiment indicators to identify greed zones and deploy capital during those times.

2. Avoid Trading During Extreme Fear

Why: Low average profit: **$49.27**, despite high volume (**208,898 trades**).

Stay on the sidelines during extreme fear.

3. Time Trades at High-Profit Hour

Why: Profit per trade: **$73.80** at hour **18.00**

Concentrate trading efforts around 18:00. Use automated alerts.

Time Analysis: -

- **Extreme Fear** is becoming more common over time, with a major spike in trading volume seen in **late 2025**.

- This indicates that traders **panic and trade heavily during market drops**.

- **Fear sentiment** shows regular spikes, suggesting traders remain **active in unstable or volatile markets**.

- **Greed sentiment** appears in short bursts, likely when traders are **quickly taking profits**.

- **Extreme Greed** is rare but usually **signals market tops** when it does occur.

- **Neutral sentiment** is both **infrequent and low in activity**, showing **minimal trader interest**.