

Trading Data Analysis with Sentiment

This project analyzes cryptocurrency trading data combined with market sentiment to understand how sentiment influences trade performance and outcomes.

Approach

Trade execution data was merged with sentiment indicators such as fear-greed index and sentiment classification. Exploratory Data Analysis (EDA) was conducted using Python and Google Colab. Metrics such as average PnL and win rate were computed across different sentiment classes.

Key Insights

- Trades executed during positive sentiment periods showed higher average PnL.
- Neutral sentiment resulted in moderate but consistent performance.
- Negative sentiment periods showed lower win rates and higher volatility.

Conclusion

The analysis suggests that incorporating sentiment indicators can enhance decision-making in trading strategies. Sentiment-aware approaches may help improve profitability and risk management.