

Data Science Project Report

Trader Sentiment Analysis

Introduction

This project analyzes trader sentiment and its relationship with market performance using historical data and sentiment scores.

Data

- - Fear Grid Index
- - Historical trading data
- - Sentiment datasets

Methodology

- - Data cleaning and aggregation
- - Sentiment analysis
- - Statistical tests (t-tests, KPI summaries)
- - Visualization of results

Results

- - CSV outputs stored in `csv_files/`
- - Charts stored in `outputs/`
- - Notebook contains full code and workflow

Conclusion

Trader sentiment shows measurable patterns that align with market movements.

This project demonstrates how data science can be applied to financial sentiment analysis.

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