

Final Report

1. Title

Cryptocurrency Liquidity Prediction for Market Stability

2. Objective

To detect potential liquidity crises using machine learning based on market data such as price and volume.

3. Methodology

Performed EDA, engineered features such as moving averages and volatility, and trained an XGBoost model.

Deployed it using Flask.

4. Results

R^2 Score: -36105.33

RMSE: 3735871858685.44

5. Conclusion

While the current model performs poorly, it establishes a foundational pipeline for enhancing future predictions through better data and feature engineering.