

1. **Objective:** Detect liquidity crises early.
2. **Dataset Summary:** Mention features and size.
3. **Approach:** EDA → Feature Engineering → Ridge Regression + GridSearchCV.
4. **Model Performance:**
 - R^2 : 0.9906
 - RMSE: 1.1751
 - MAE: 0.3159
5. **Key Insights:**
 - Trading volume strongly influences liquidity.
 - Social media activity can act as an early liquidity signal.
6. **Conclusion:**

The model helps exchanges/traders monitor liquidity stability.
7. **Future Scope:**
 - Integrate live data APIs.
 - Add LSTM for time-series forecasting.