ATM Transactions Analysis

Function: #Operations | Industry: #Finance



- To forecast accurate transaction volume and ATM network, enabling effective cash flow.
- · To identify suspicious patterns in ATM transactions,
- To enhance security measures and safeguarding against potential fraudulent activities.

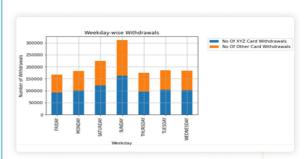
Technique

- Statistical Analysis
- Data Modelling
- · Time Series Forecasting
- Visualization

Impact

- Proper planning of cash flows, and better liquidity optimisation.
- · Improved risk management.
- · Customer satisfaction.

Result





Value Points

Understand the what, why, when, where & how

Exploratory Analysis

Exploratory Data Analysis On The Preprocessed Data To Derive Meaningful Data Insights

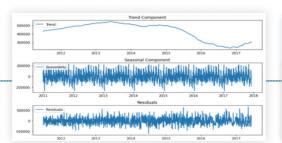


Identify patterns and generate insights to summarise the main characteristics

Exploratory data analysis enables business owners to derive meaningful insights, patterns and better datadriven decisions as opposed to intuitive

Decomposition Analysis ▼ iii Forecasting





Decomposition methods to identify trends and seasonal patterns

Decomposition analysis helps to derive trends, seasonal patterns identifying relative peaks for further forecasting models.







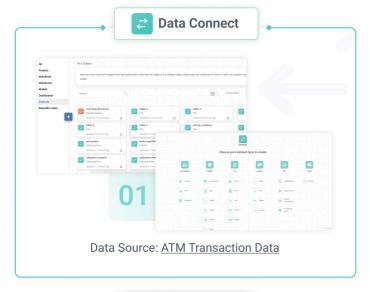
Forecasting volume for ATM networks using Auto-ARIMA, LSTM, etc.

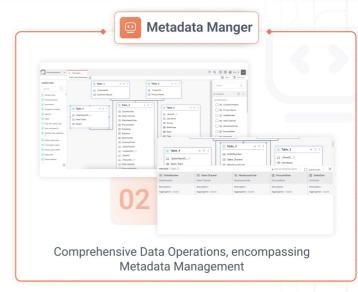
Forecasting insights assists to derive more accurate no of withdrawals, improved risk management, and better liquidity optimisation.

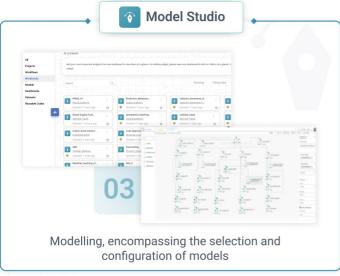
Multi Persona DSML Platform

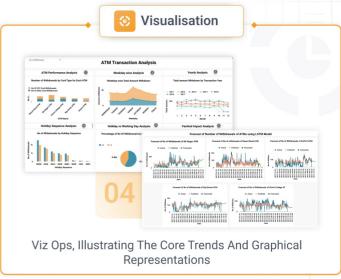
For all your data needs- Data Engineering, Data Science, Data Visualisation, IoT







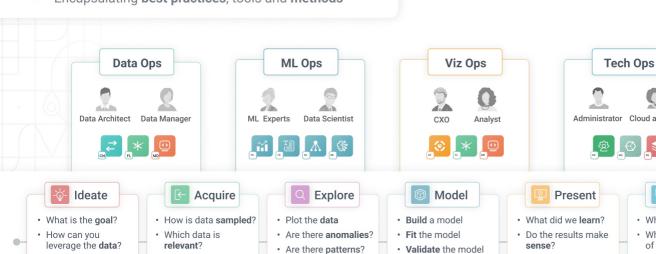




· Can we tell a story?

Agile Data Science

Encapsulating best practices, tools and methods



· What do you want

to predict?

Any data privacy

issue?

Deploy

What is the Structure

How to **Optimise** and

· Where to Deploy?

of Pipeline?

Scale?