



Bank Data Analysis: Dashboard

This slide showcases a comprehensive data analysis of Banking Data, detailing the ETL process and interactive dashboards developed using Excel, Power BI, and Tableau also verifying and managing the data with SQL queries.

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Project Overview:

This project involved the collection, analysis, and dashboard development for two key areas within banking operations:

1. Bank Loan Analysis Dashboard
2. Credit & Debit Analysis Dashboard

Data Cleaning and Preparation

1 Replacing Blank Values

Handling missing data to ensure accuracy.

Critical for data integrity. Tools used include Excel Power Query and SQL.

2 Selecting Proper Datatype

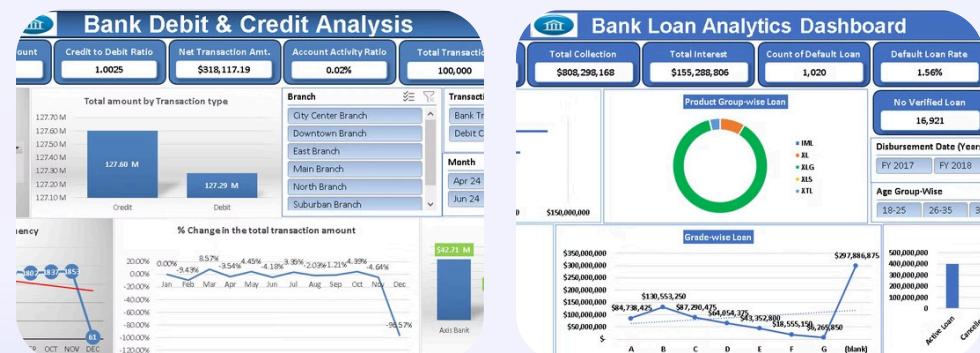
Ensuring each column has the correct data type for analysis.

3 Data Conversion

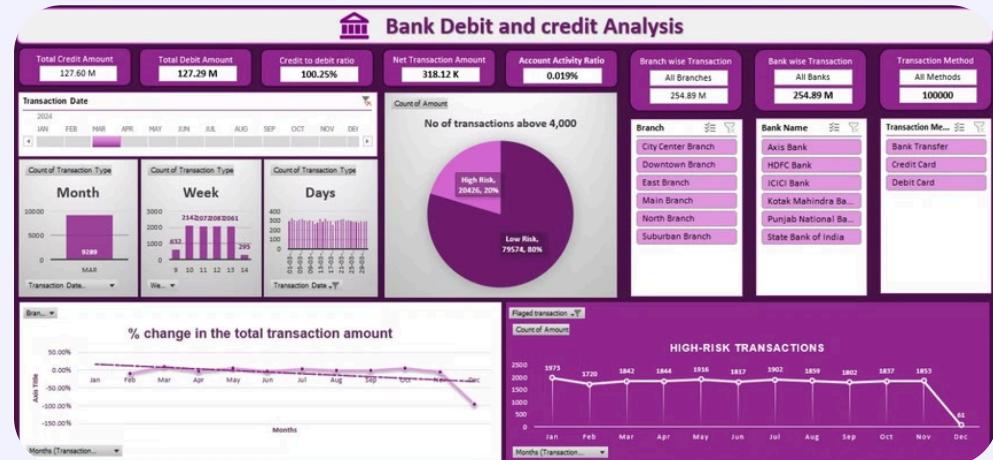
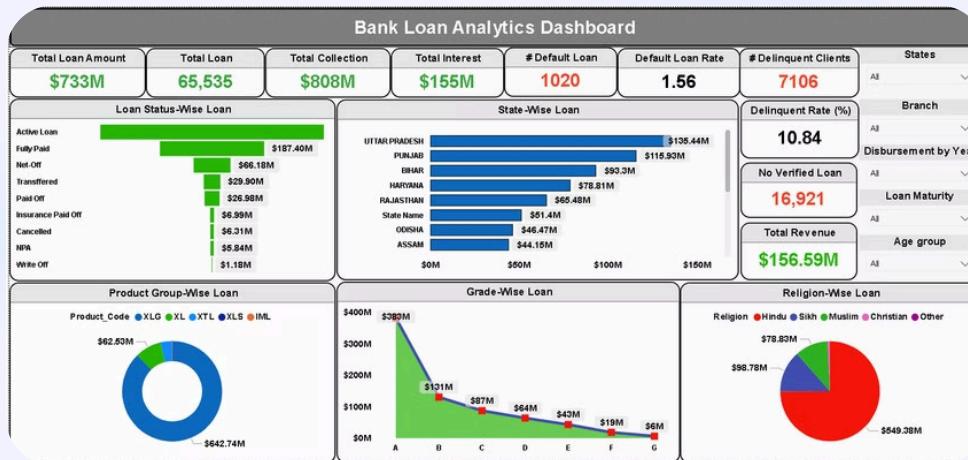
Transforming data into a usable format.

Excel Dashboards

The Excel dashboards below offer valuable insights into both 'Bank Debit and Credit analysis' and 'Bank Loan Analysis'. They provide an accessible overview of key performance indicators and emerging trends within the banking data.



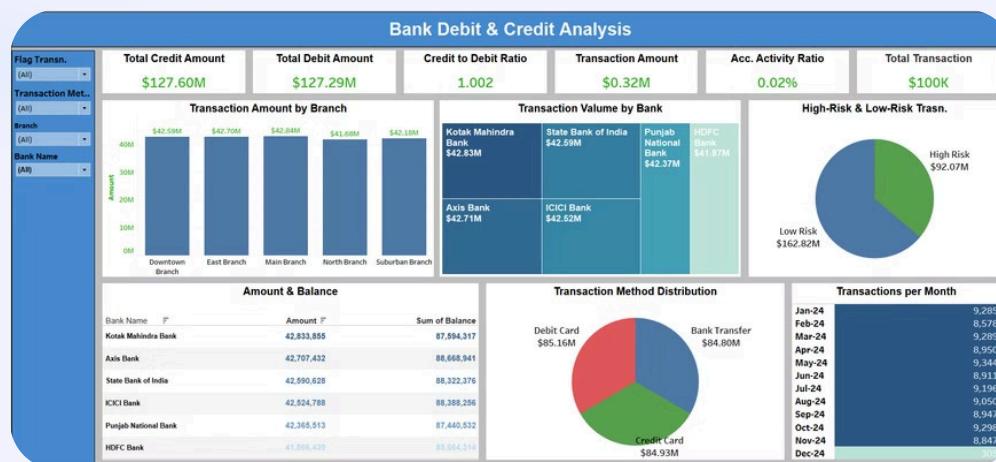
Power BI Dashboard: Uncovering Insights



The interactive dashboards above present "Bank Loan Analysis" and "Bank Debit & Credit" data. These dashboards feature meaningful charts, key performance indicators, and multiple filters, enabling detailed insight exploration for each element.

Tableau Dashboard: Visualizing Trends

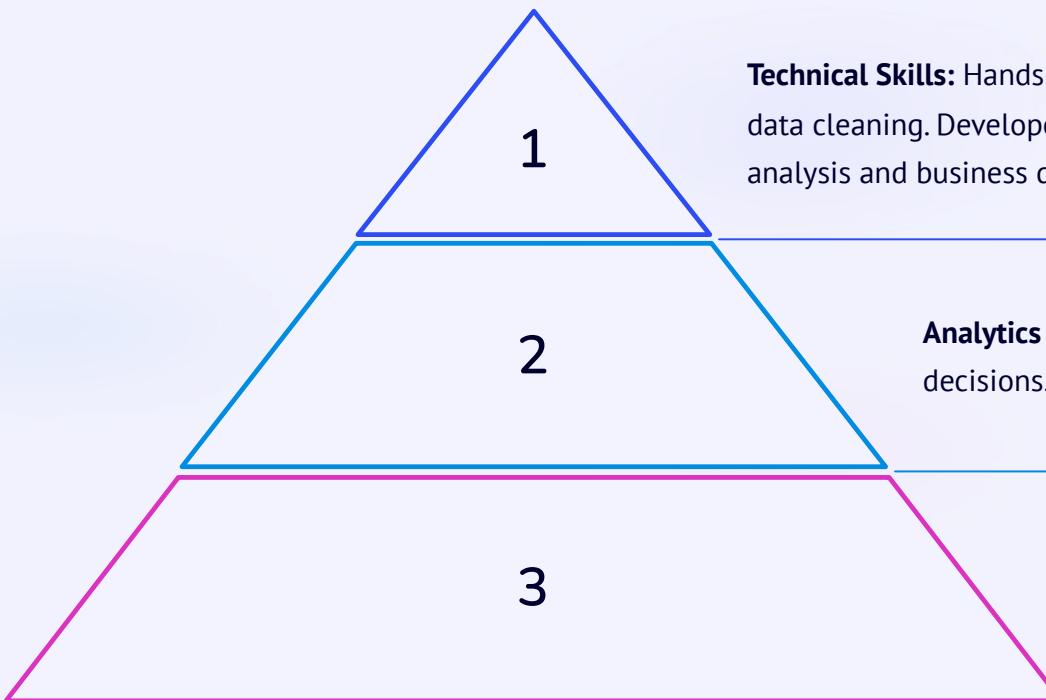
The Tableau dashboard delivers advanced visualizations for deeper insights into banking data trends. Enhanced visual representations enable quick identification of KPIs and emerging opportunities, driving a data-driven approach to strategic planning and operational adjustments.



MySQL & Python

1. Developed and executed MySQL queries to populate the dashboard, ensuring data accuracy through value verification.
Uploaded cleaned data to the database.
2. Utilized Python in Jupyter Notebook for data cleaning and preprocessing tasks.

Key Skills: Data and Decisions



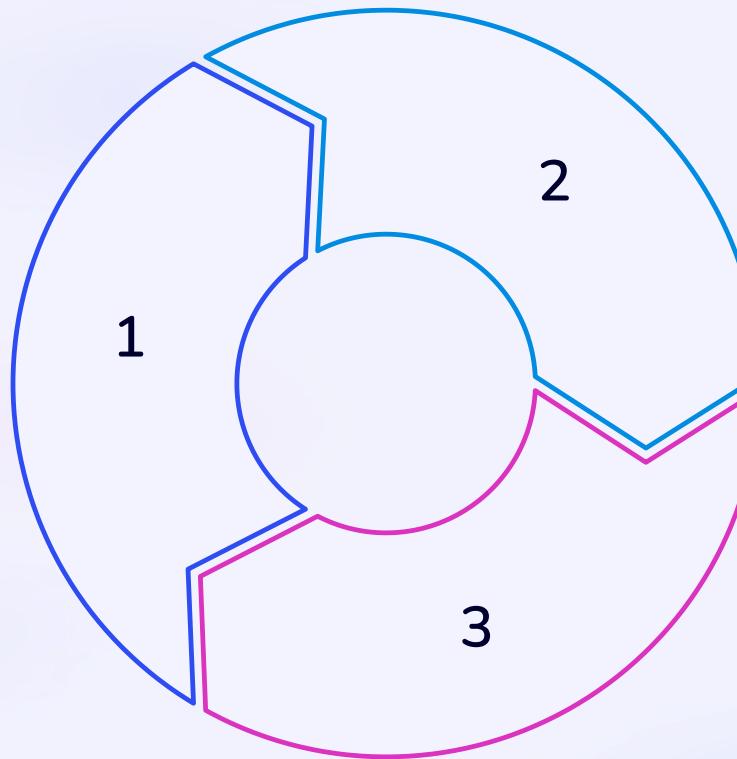
Technical Skills: Hands-on experience with industry data, using Excel and Power Query and Python for data cleaning. Developed interactive dashboards with Excel, Power BI, and Tableau to support data analysis and business decisions. Uploaded and validated data in MySQL against dashboard values.

Analytics Skill: Visualized and analyzed data to identify key insights for informed industry decisions.

Communication Skills: Collaborated with team members during data creation and analysis, led the group, and presented findings. Enhanced team building skills throughout the process.

Lessons Learned and Future

Successes
Successful data cleaning and dashboard creation provided valuable insights, helping to make precise decisions to boost the company.



Areas for Improvement

There is a need for more advanced analytical techniques and deeper data exploration.

Next Steps

We will implement predictive modeling and explore advanced visualization tools for enhanced analysis.



Contact Information

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