



**DATA**  
**MANAGEMENT**  
**#ITBCA**

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# Outline



GSIT BCA Organization



Data Architecture  
and Utilization

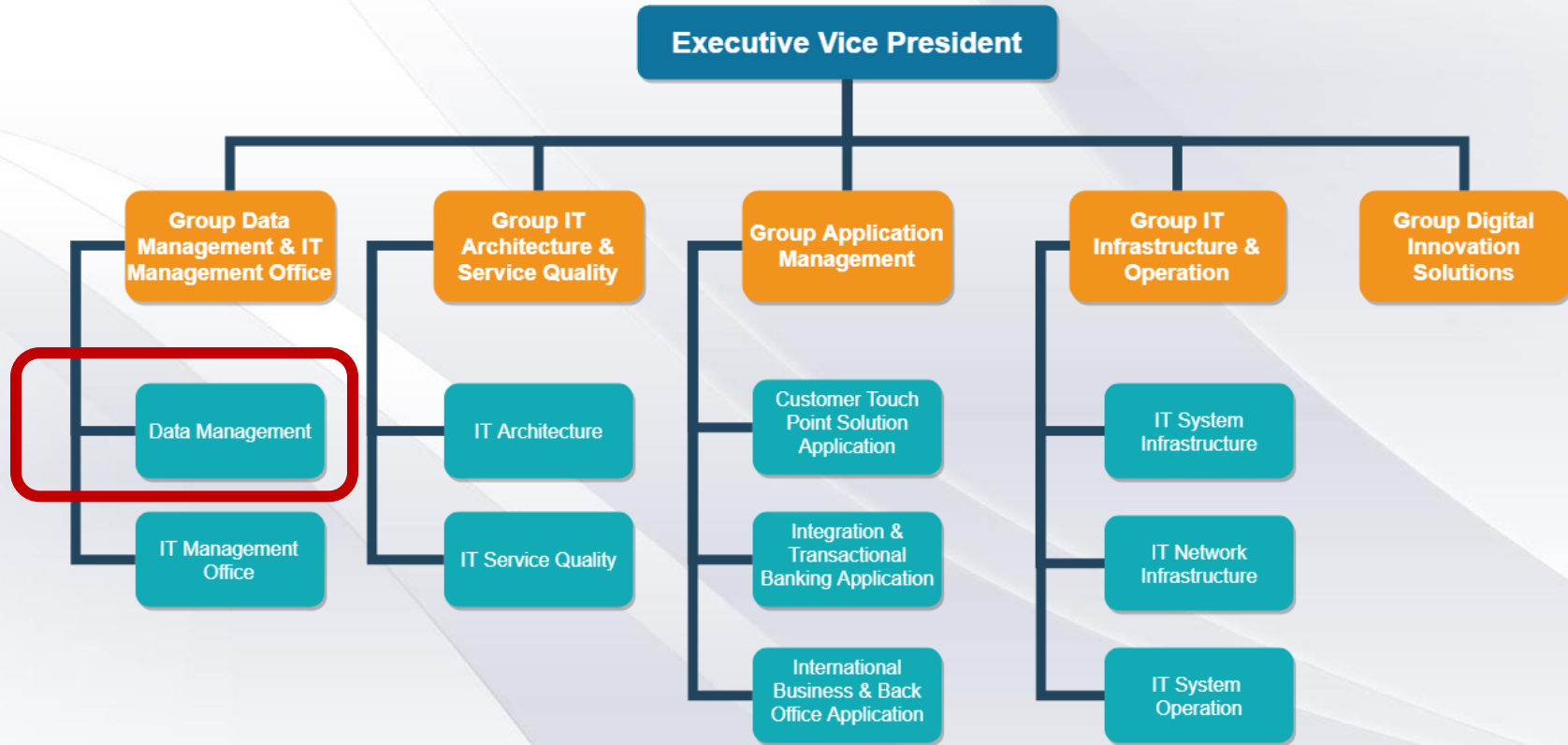
Knowledge Data  
Discovery



Data Management Aspect  
and Tools



# GSIT Organization





# 5 Aspects Data Management

1

## Data Engineer

- Prepare data infrastructure
- Design, build, integrate data from various resources, and manage the data
- Data centralization

2

## Data & Information Governance

- Develop standard procedure for customer data and information
- Manage consistency, quality, accuracy, timeliness, and security
- Develop process and new technology for data validation

3

## Data Analytics

- Process and summarize data
- Package data for insight
- Design and create dashboard

4

## Management Information System

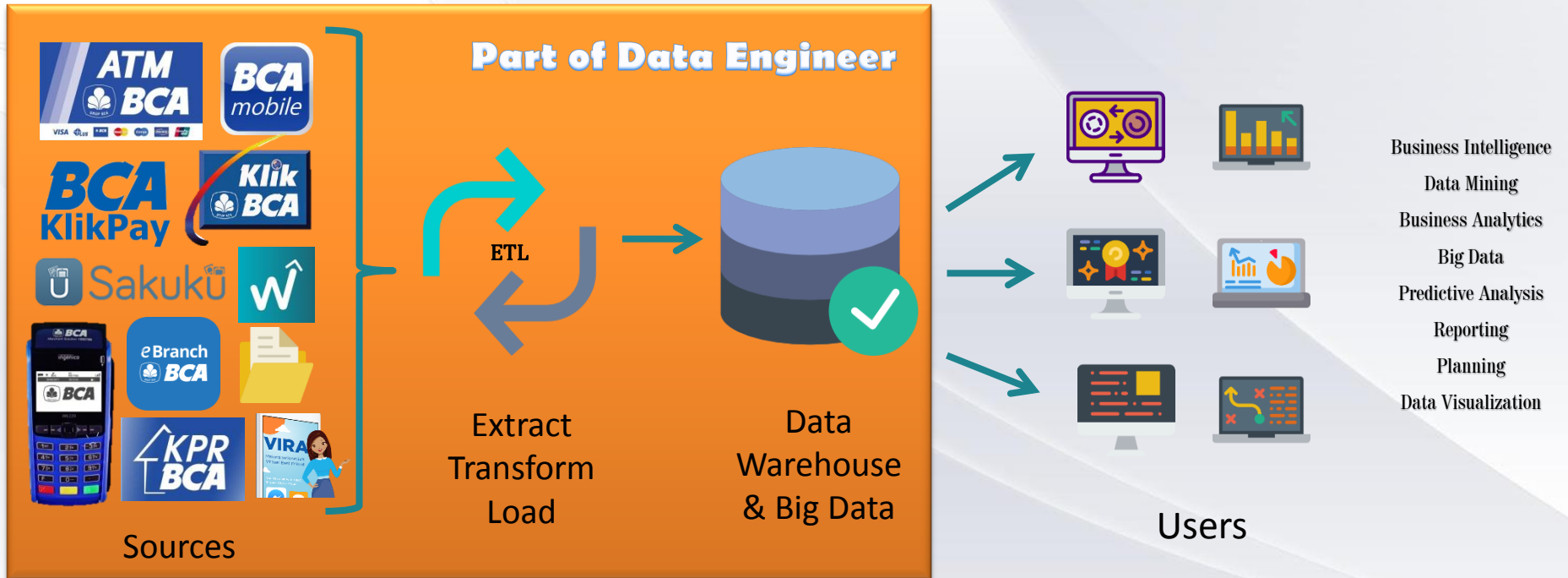
- Create report, customer profile and portfolio
- Develop report portal system to support user
- Monitoring all report in accordance with the regulator provisions

5

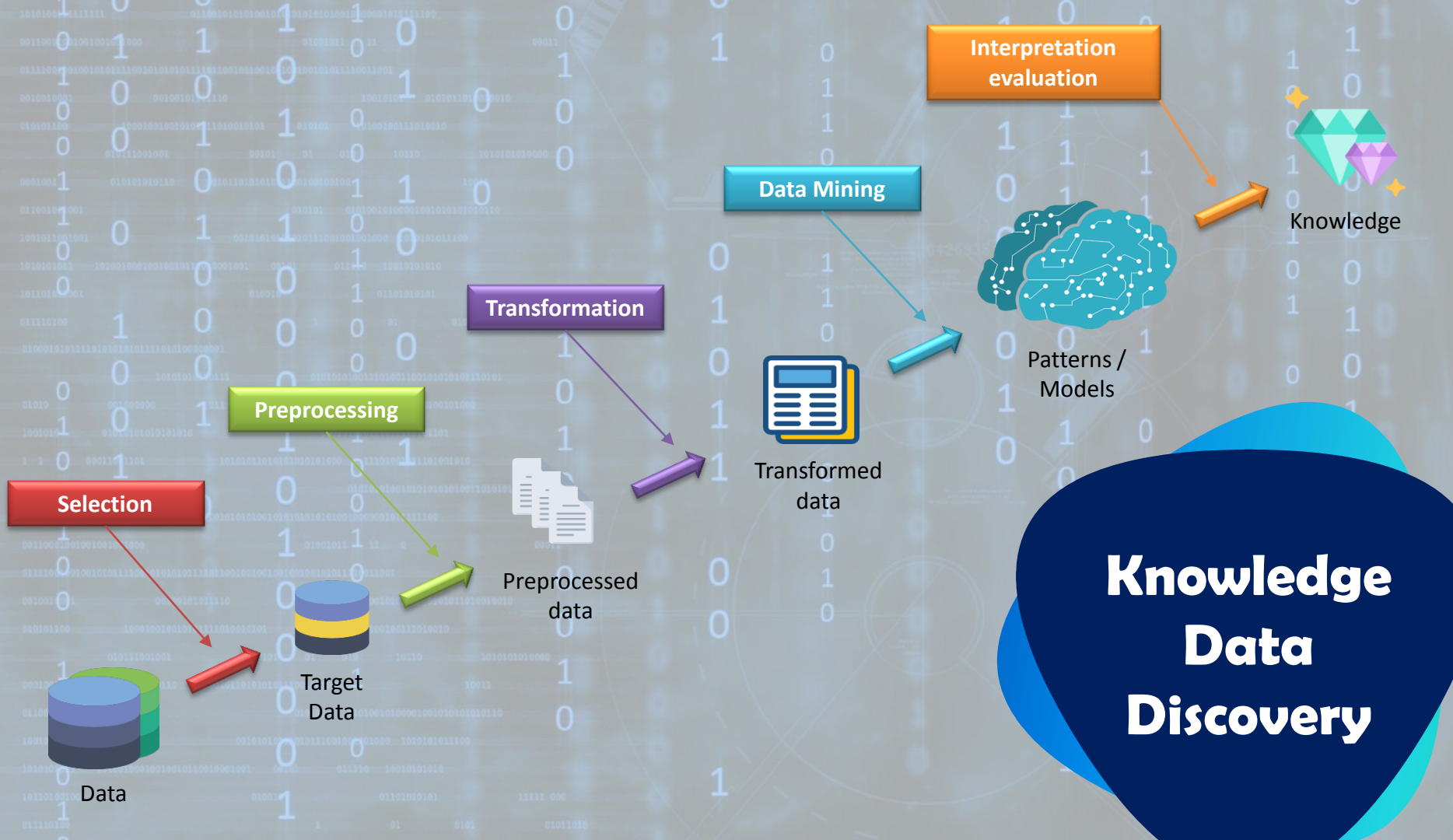
## Data Predictive Analytics

- Predict the future based on past pattern
- Develop new analytical method and machine learning model
- Present new insight and hypothesis result with business units

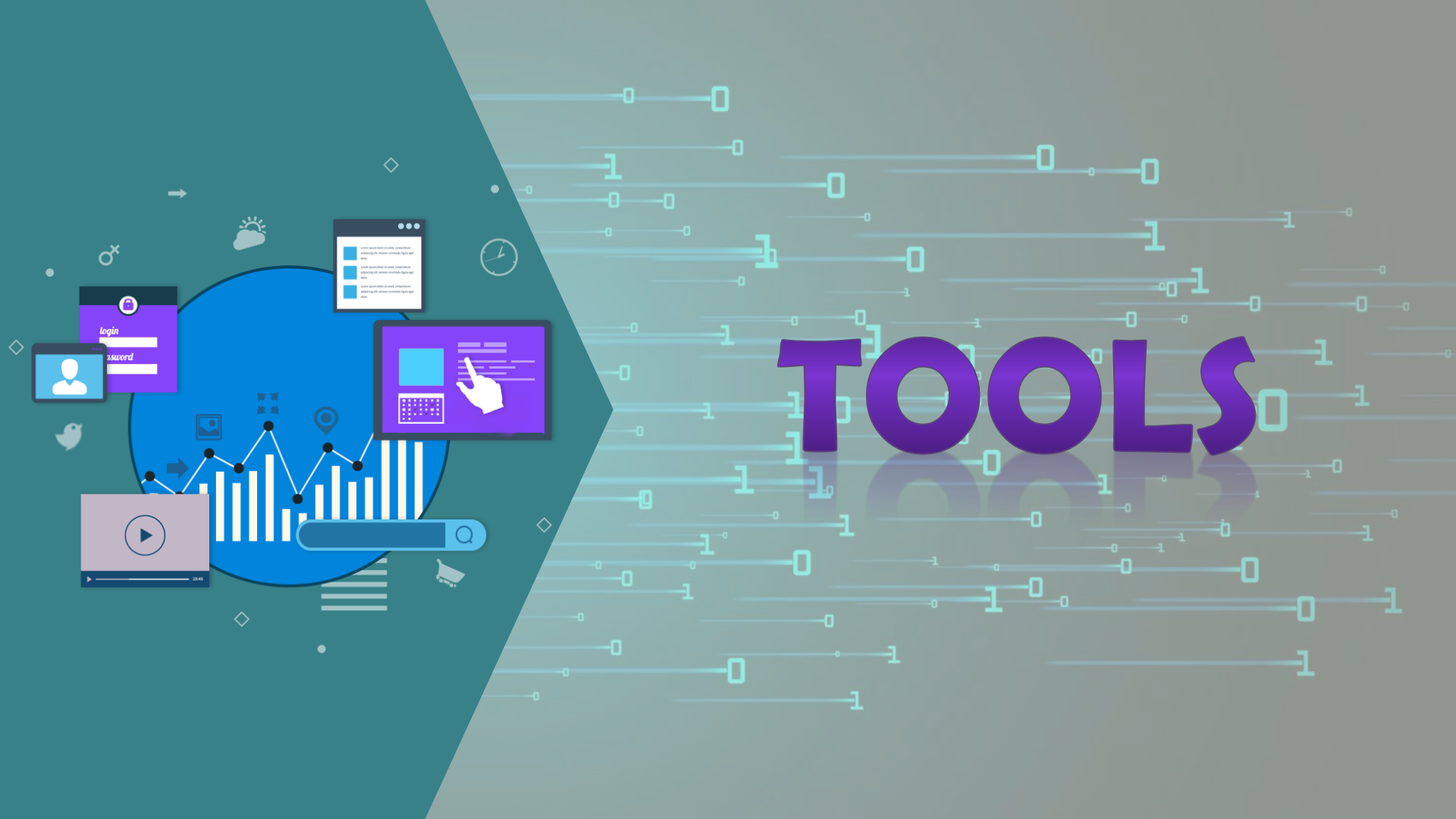
# Data Architecture and Utilization











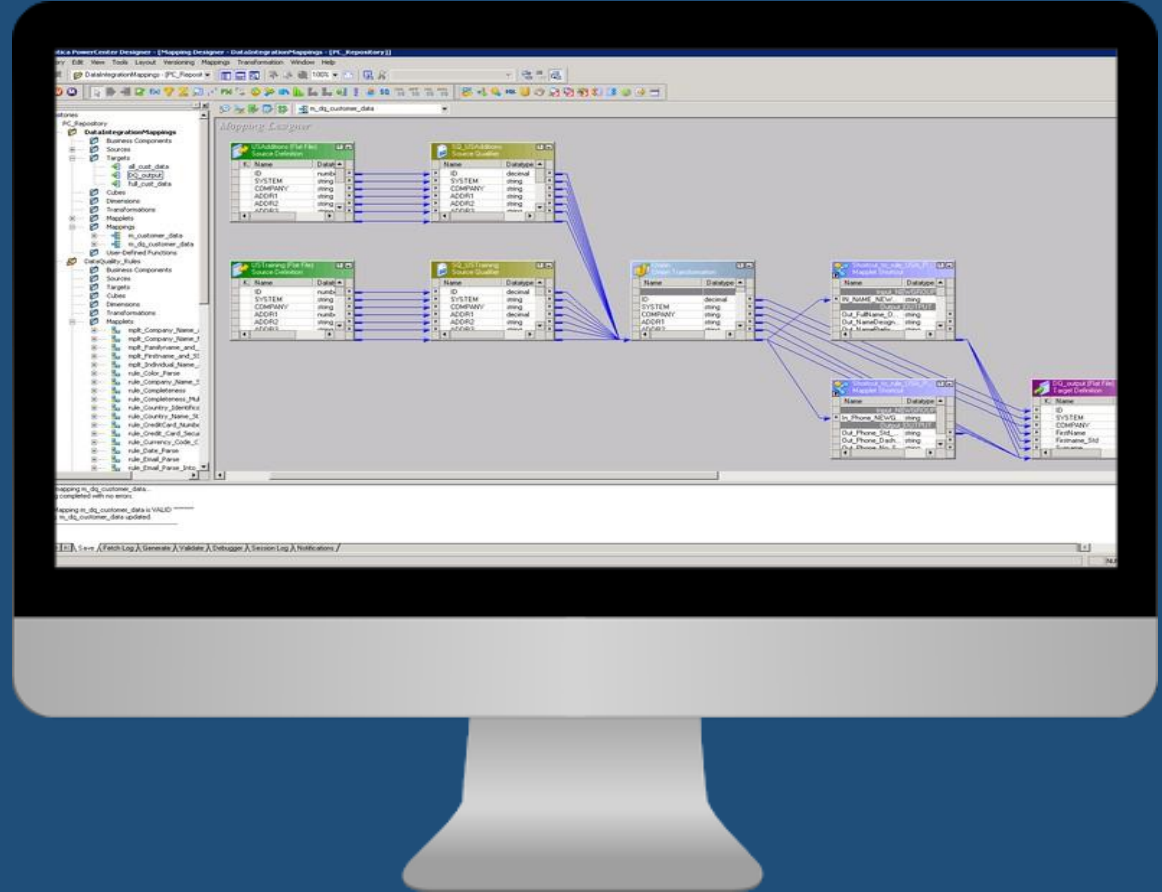
# TOOLS

# ETL TOOLS

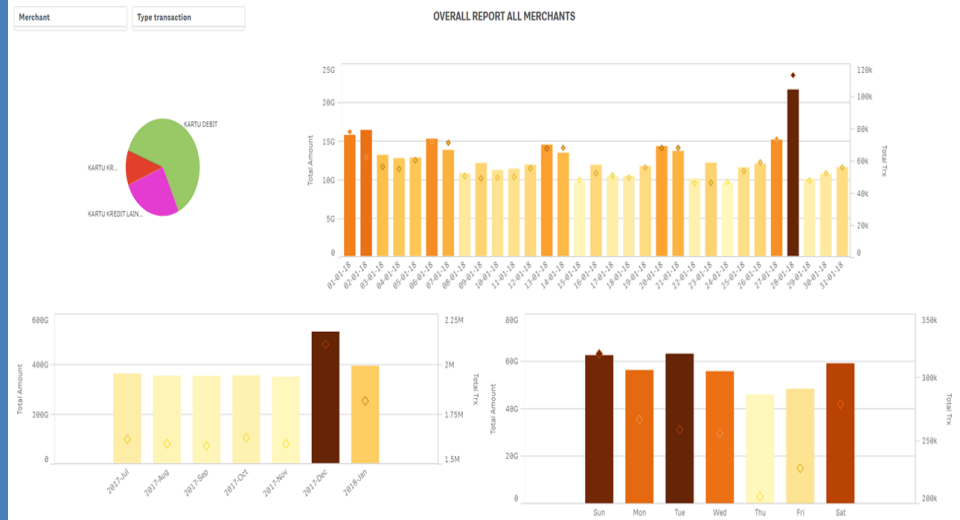
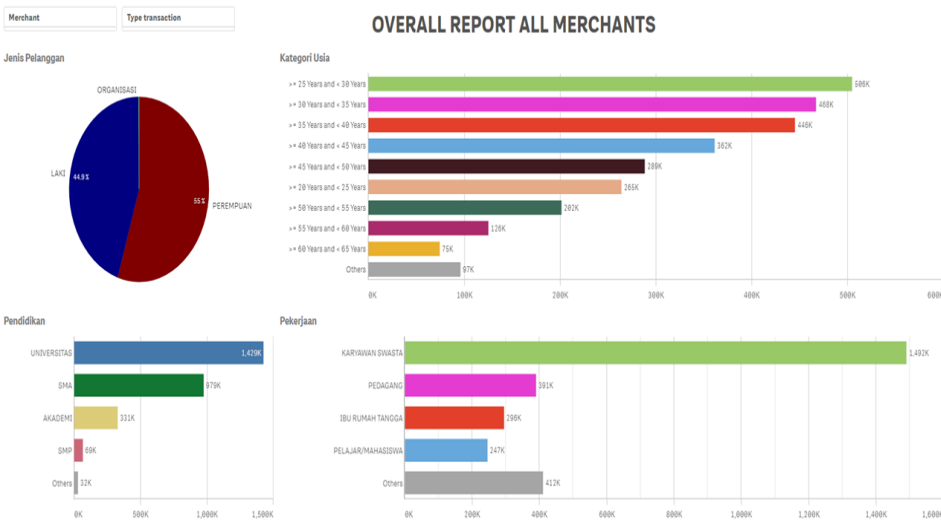
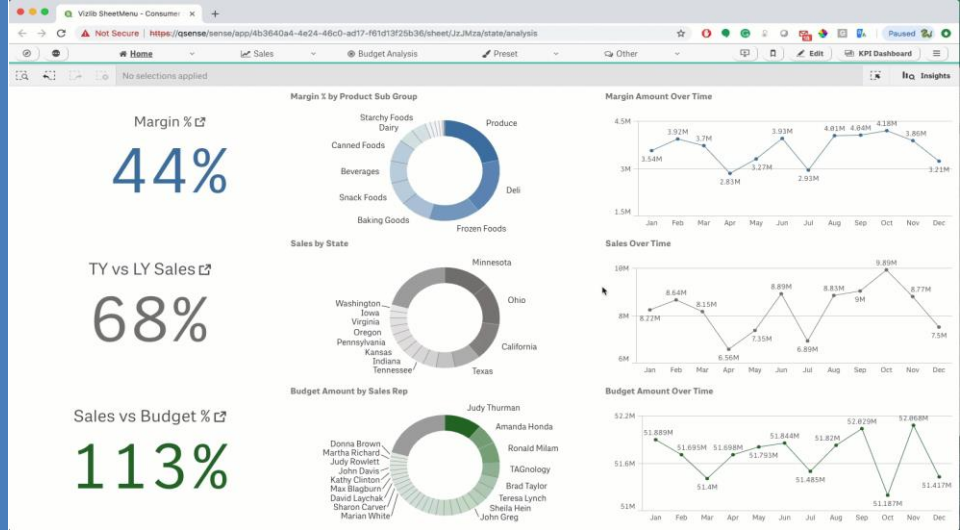


Tools

INFORMATICA  
POWERCENTER



# VISUALIZATION TOOLS





# REPORTING TOOLS



Tools

SSRS



# QUERY TOOLS



Tools

DBeaver



# PROGRAMMING TOOLS

Programming

Python



Programming

R Language

cloudera®



Tools

Rapid Miner



Tools

Cloudera  
Data Science  
Workbench



*Thank  
you!*