Azure BFSI Data Pipeline for Customer Insights and Risk Analytics

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AGENDA

- Data Ingestion and Storage
- Batch and Stream Processing
- Risl Analysis and Monitoring
- Visualization and Reporting tools

Introduction and Problem Statement

The BFSI company aims to build a robust ETL pipeline in Azure to process historical and real-time customer transaction data. This solution will enhance customer satisfaction, mitigate risks, and optimize services by enabling risk monitoring, predictive analytics, and insights through efficient data ingestion, processing, storage, and visualization techniques.

Data Source and Ingestion (Dynamic)

Github

Capstone-Project / Data /

HARSHIDA18 files

9e166b2 · yesterday | History

Name	Last commit message	Last commit date
..		
customer_feedback.csv	files	yesterday
customer_profiles.csv	files	yesterday
historical_transactions.csv	files	yesterday
service_availability.csv	files	yesterday
service_usage.csv	files	yesterday

ADF Pipeline

Microsoft Azure | Data Factory ▸ CAPSTONEHARSHIDAADF | Search factory and documentation

Would you like to see Data Factory inside of Microsoft Fabric, Microsoft's newest cloud-first data analytics SaaS platform? Click here to get started with

main branch | Validate all | Save all | Publish

Factory Resources

Filter resources by name

Pipelines   1
  DynamicPipeline
Change Data Capture (preview)   0
Datasets   3
Data flows   1
  dataflow1
Power Query   0
Templates   0

dataflow1 | DynamicPipeline

Saved | Save as template | Validate | Debug | Add trigger

Lookup

Lookup1

ForEach

ForEach1

Activities

DynamicC opyActivity

Storage accounts

Home > Storage accounts > capstonestorageharshida | Containers >

bronze
Container

Search | Upload | Add Directory | Refresh | Rename | Delet

Overview

Authentication method: Access key (Switch to Microsoft Entra user account
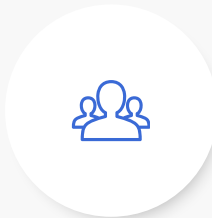
Ingoude Company

Architecture Diagram

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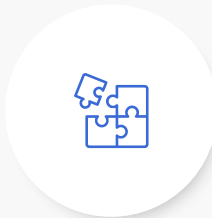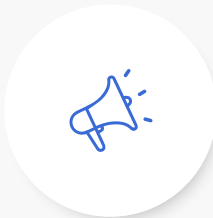
Company Service

Service 01

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Service 02

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Service 03

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90% Company Data 01

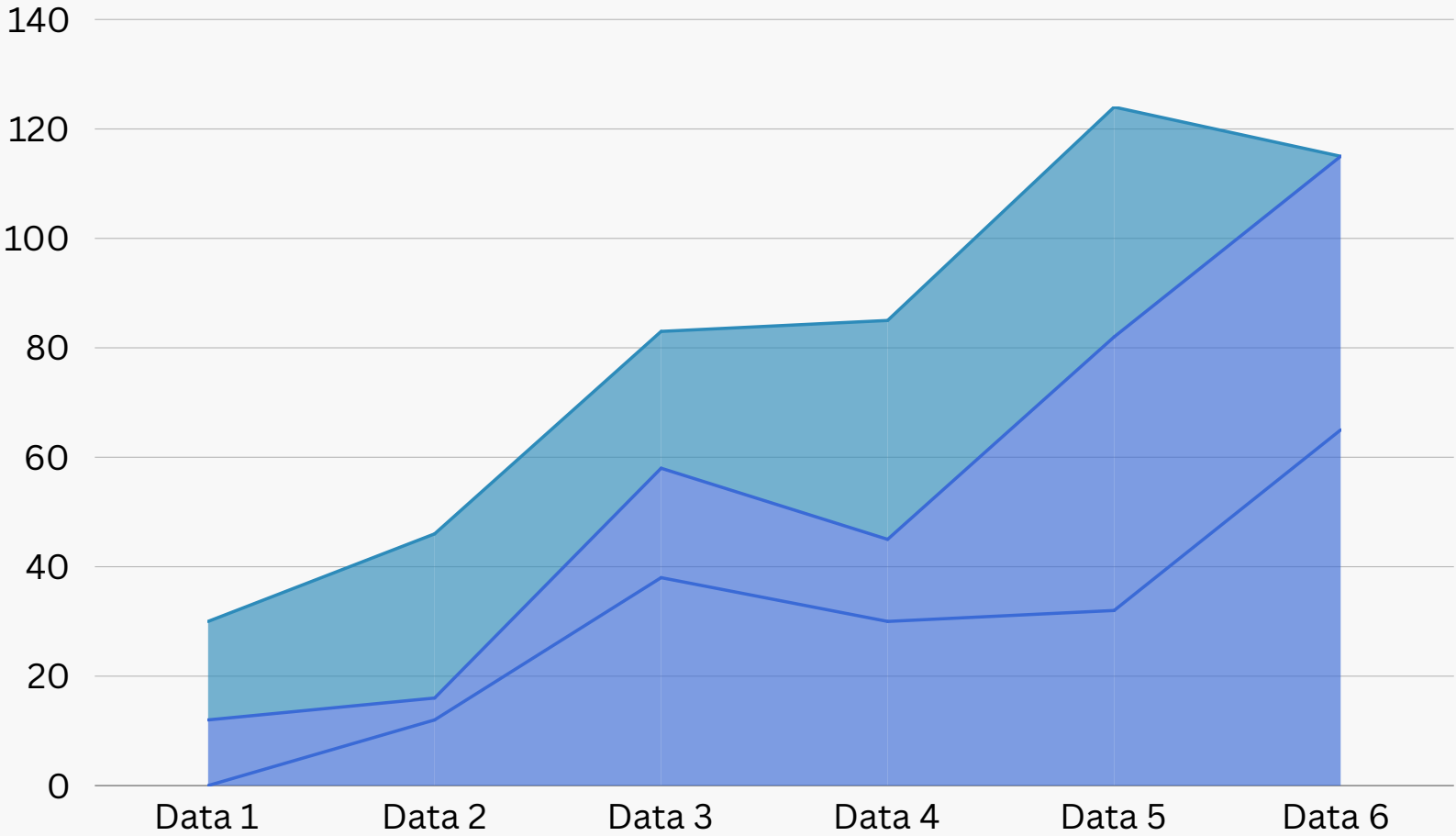**55%** Company Data 02

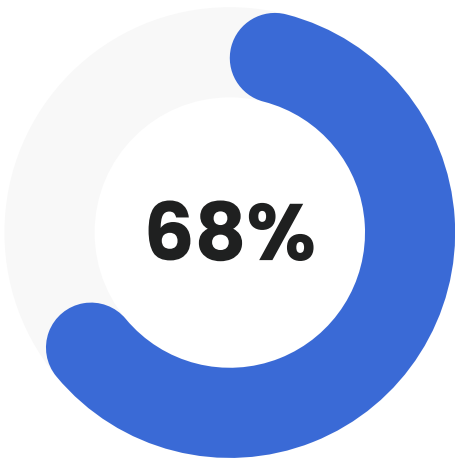**86%** Company Data 03

Marketing Data

About Data

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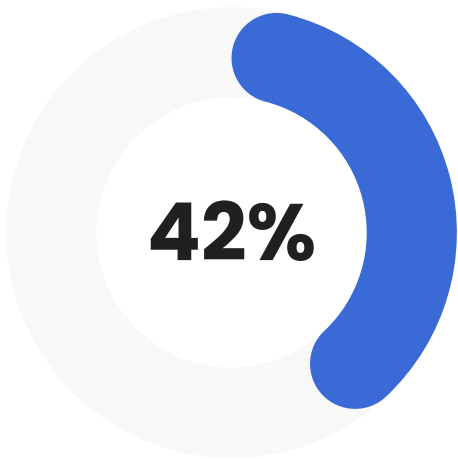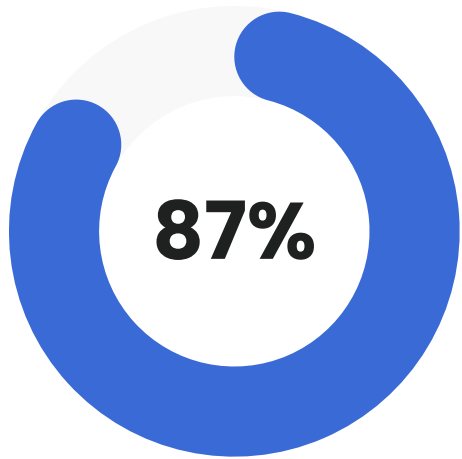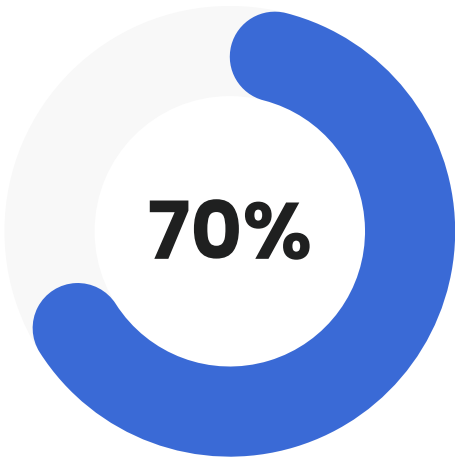
Learn More

80%

68%

42%

Data 01   **Data 02**   **Data 03**

87%

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82%

Data 04   **Data 05**   **Data 06**

Marketing Data

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Thank You

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