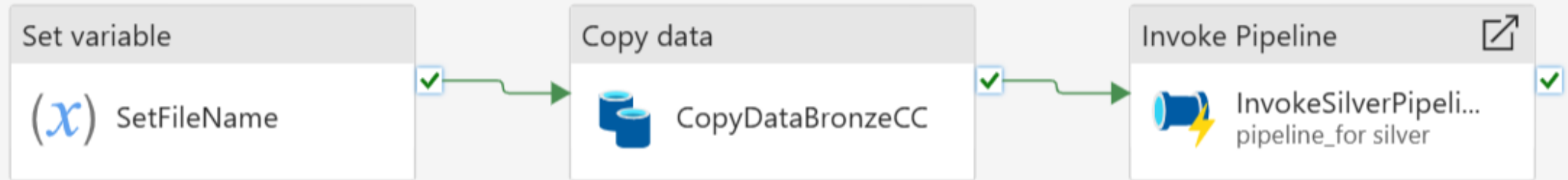
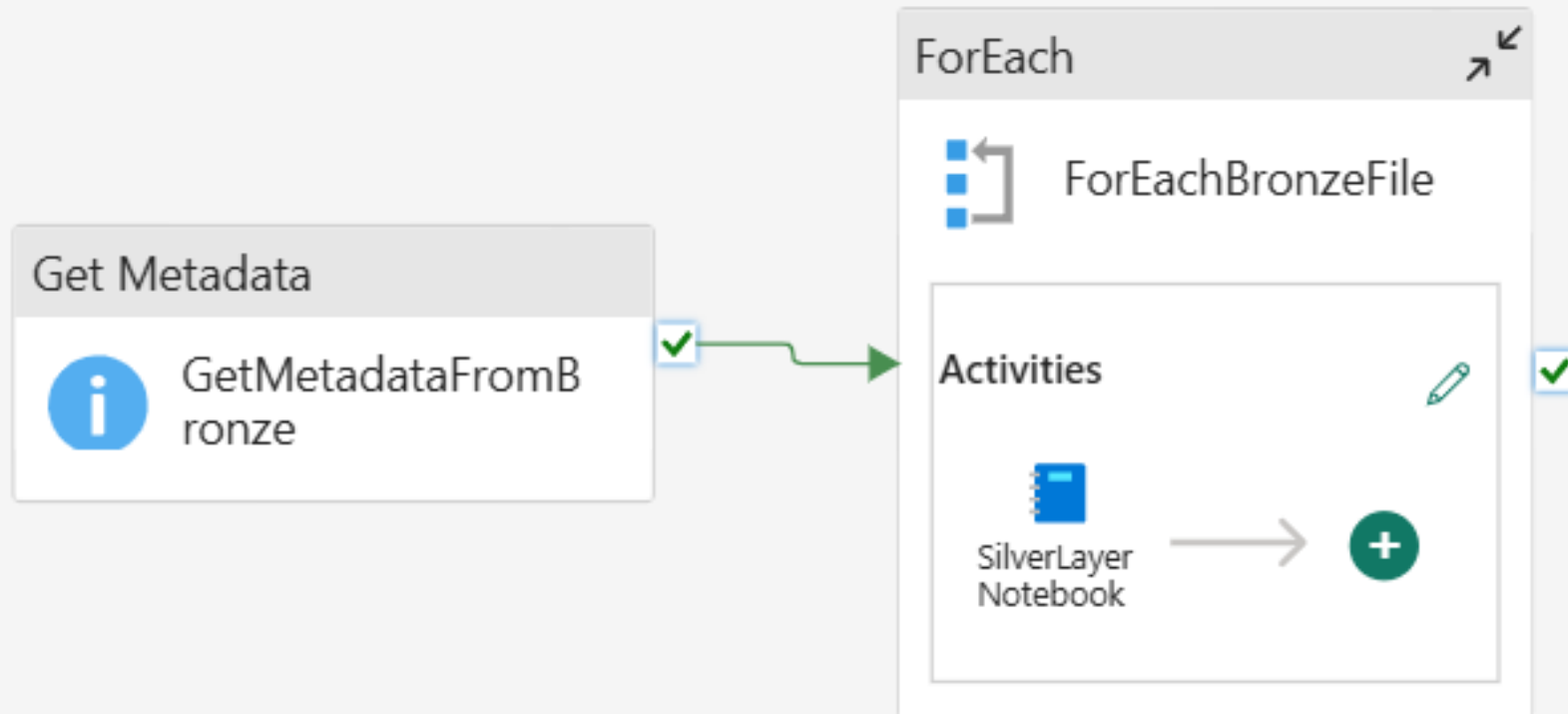


Bronze Pipeline



Silver Pipeline



Pyspark Notebook

Fabric

SilverLayer_DataTransformation X

Saved v

Q Search

Trials activated:
56 days left

25

?

Home

Edit

AI tools

Run

View

Comments

History

Develop v

Share

Run all v

Connect v

PySpark (Python) v

Environment

Workspace default v

Data Wrangler v

Copilot

>>

Explorer

1 # Welcome to your new notebook
2 # Type here in the cell editor to add code!
3
4 from pyspark.sql.functions import *

[23] ✓ - Command executed in 378 ms by fabric new user on 1/6/2026, 5:56:41 PM

PySpark (Python) v

...

1 try:
2 bronzefileName
3 except NameError:
4 bronzefileName = "cc_add.csv" # default for manual runs
5

[24] ✓ - Command executed in 371 ms by fabric new user on 1/6/2026, 5:56:42 PM

PySpark (Python) v Parameters

...

1 path = f"abfss://62a7fe2a-4553-4bdb-b9f1-eeffec628df4@onelake.dfs.fabric.microsoft.com/62e6144e-112d-4d99-9746-09dab6a01bd7/Files/CreditCardFiles/{bronzefileNam
2
3
4
5 #print(path)

[25] ✓ - Command executed in 331 ms by fabric new user on 1/6/2026, 5:56:42 PM

PySpark (Python) v

Not connected

AutoSave: On

Selected Cell 1 of 10 cells

Azure SQL - Data transformation by Dataflow Gen 2

Fabric

DataflowCustomerSilver

Search

Trials activated: 56 days left

25

Power Query

Dataflow saved

Search (Alt + Q)

Home

Transform

Add column

View

Help

Get data

Recent sources

Enter data

Manage connections

Default data destination

Options

Manage parameters

Refresh

Properties

Advanced editor

Add data destination

Choose columns

Remove columns

Keep rows

Remove rows

Filter rows

Sort

Transform

Combine

Copilot

Export template

Share

Queries [1]

customer_with_personal_details

Source

Navigation 1

Added custom

Added custom 1

Changed column...

Removed columns

Sql.Database("sqldatabasebronze.database.windows.net", "CreditCardDB")

	ABC	Name	ABC	Data	ABC	Schema	ABC	Item	ABC	Kind
	123									
1		customer_with_personal_details	[Table]		dbo			customer_with_personal_details		Table
2		fn_diagramobjects	[Table]		dbo			fn_diagramobjects		Function
3		new_customers	[Table]		dbo			new_customers		Table
4		sysdiagrams	[Table]		dbo			sysdiagrams		Table
5		sys.database_firewall_rules	[Table]		sys			database_firewall_rules		View

Completed (0.92 s) Columns: 5 Rows: 5

Add default destination...

Query settings

Properties

Name

customer_with_personal_...

Applied steps

Source

Navigation 1

Added cust...

Added cust...


Changed c...

Removed c...


Data destination






Lakehouse

Publish


 customer_silver_table ...
AgeGroup
Car_Owner
Client_Num
contact
Cust_Satisfaction_Score
Customer_Age
Customer_Job
Dependent_Count
Education_Level
Gender
House_Owner
Income
IncomeGroup
Marital_Status
Personal_loan
region
state_cd
Zipcode
Collapse ^



 creditcard_silver_table ...
Activation_30_Days
Σ Annual_Fees
Σ Avg_Utilization_Ratio
Card_Category
Client_Num
Σ Credit_Limit
current_year
Σ Customer_Acq_Cost
Delinquent_Acc
Exp_Type
Σ Interest_Earned
Qtr
Σ Revenue
Σ Total_Revolving_Bal
Σ Total_Trans_Amt
Σ Total_Trans_Vol
use_chip
Week_Num
Week_Number
Week_Start_Date
Collapse ^

 All Measures ...
Σ Column 
 Current_week_Revenue
 Previous_Week_Revenue
 wow_revenue
Collapse ^

Simantic Model



BANK

Credit Card Transaction Report

Total Revenue

57M

Total Interest

7.98M

Amount

46M

Transactions

667K

Clear all slicers

Week_Start_Date

All

Quarter

Q1

Q2

Q3

Q4

Income Group

High

Low

Med

F

M

QTR Revenue and total trans count

Sum of Revenue

Sum of Total_Trans_Vol

14.0M

13.8M

14.2M

14.5M

163.3K

164.2K

166.6K

Revenue By Card Category

Swipe

36M

Chip

17M

Online

4M

Revenue By Expenditure Type

Bills

14M

Entertainment

10M

Fuel

10M

Grocery

9M

Food

8M

Travel

6M

Revenue By EducationType

Graduate

23M

High School

11M

Unknown

9M

Uneducated

8M

Post-Graduate

3M

Doctorate

2M

Revenue By Customer Job

Businessman

18M

White-collar

10M

Selfemployeed

9M

Govt

8M

Blue-collar

7M

Retirees

5M

Revenue By Card Category

Blue

47M

Silver


6M

Gold

3M

Platinum

1M



BANK

Credit Card Customer Report

Total Revenue

57M

Total Interest

8.0M

Customers

10K

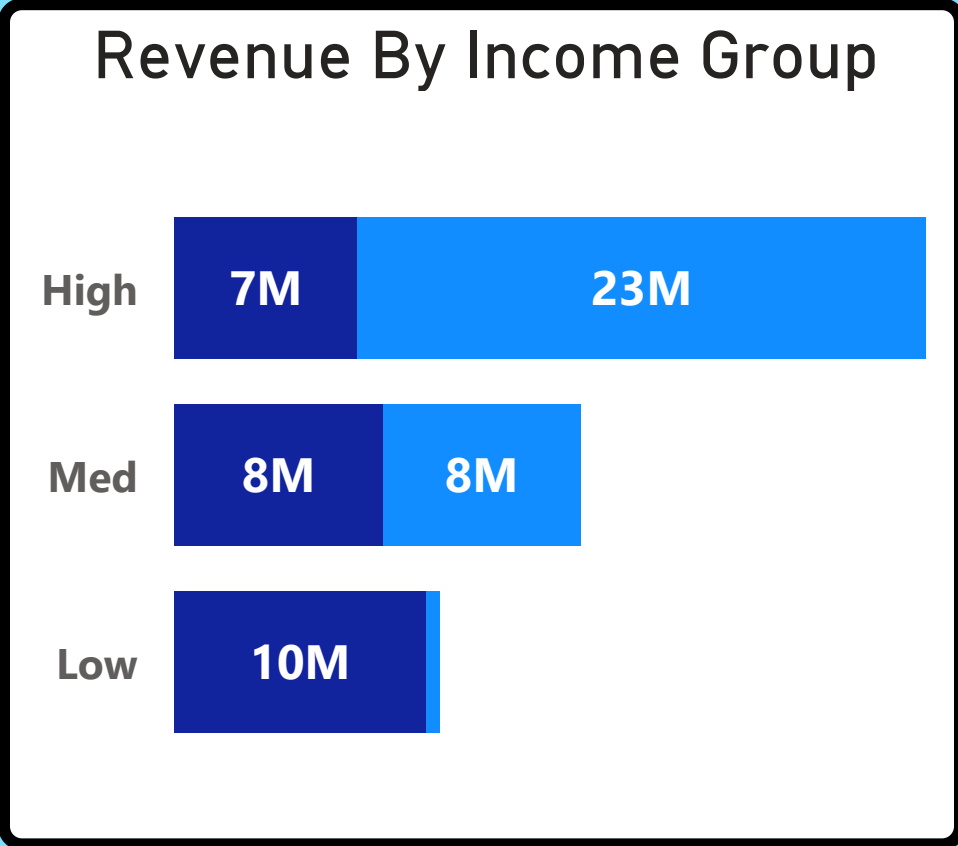
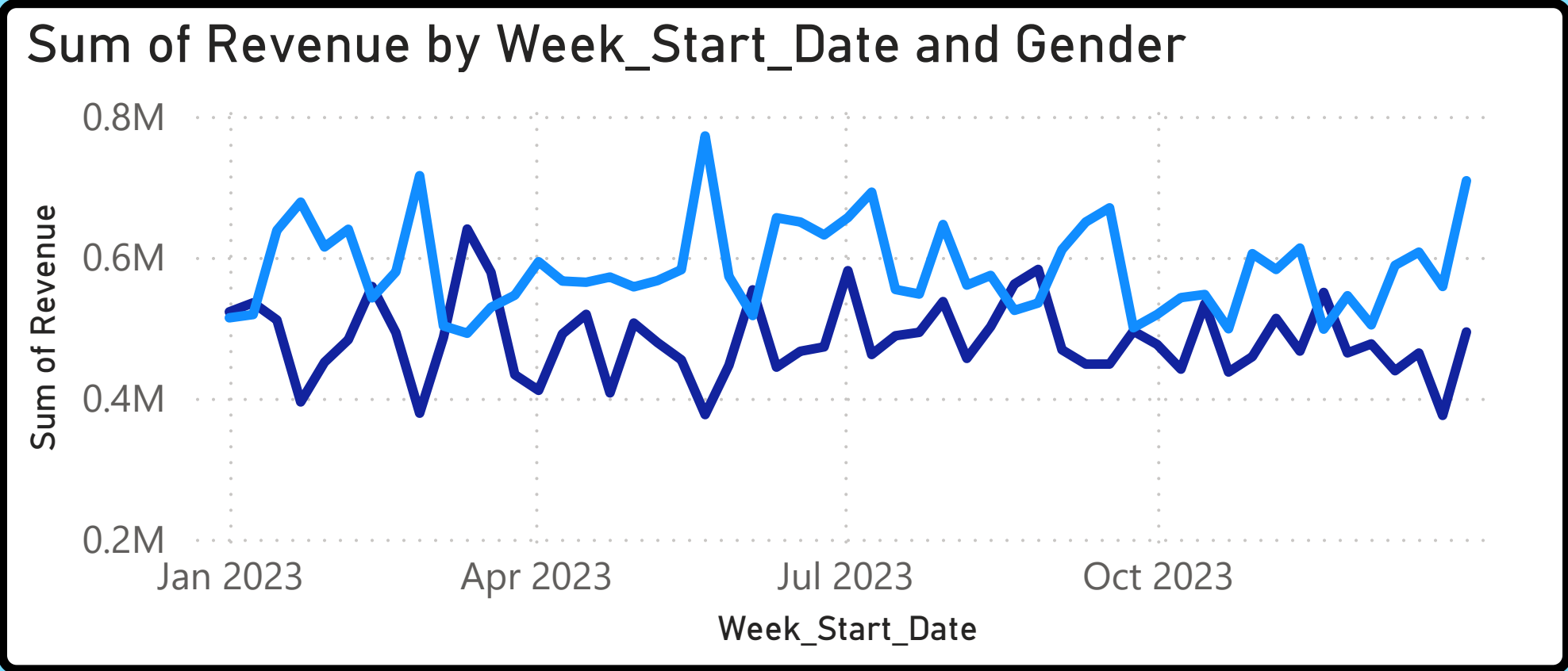
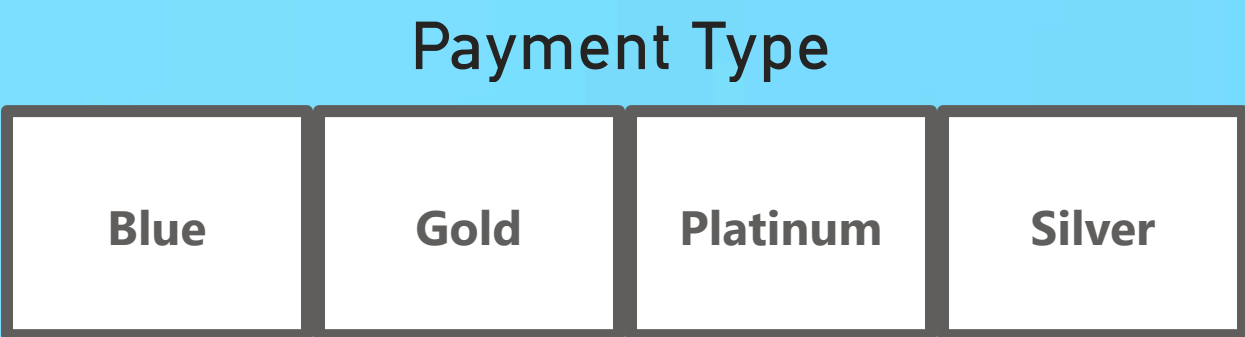
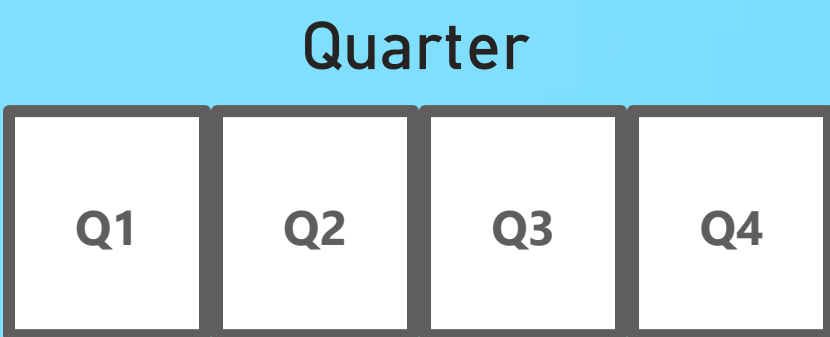
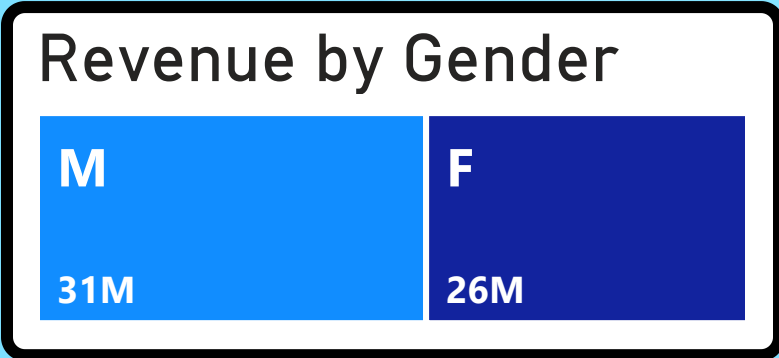
Avg. CSC ☆

3.2

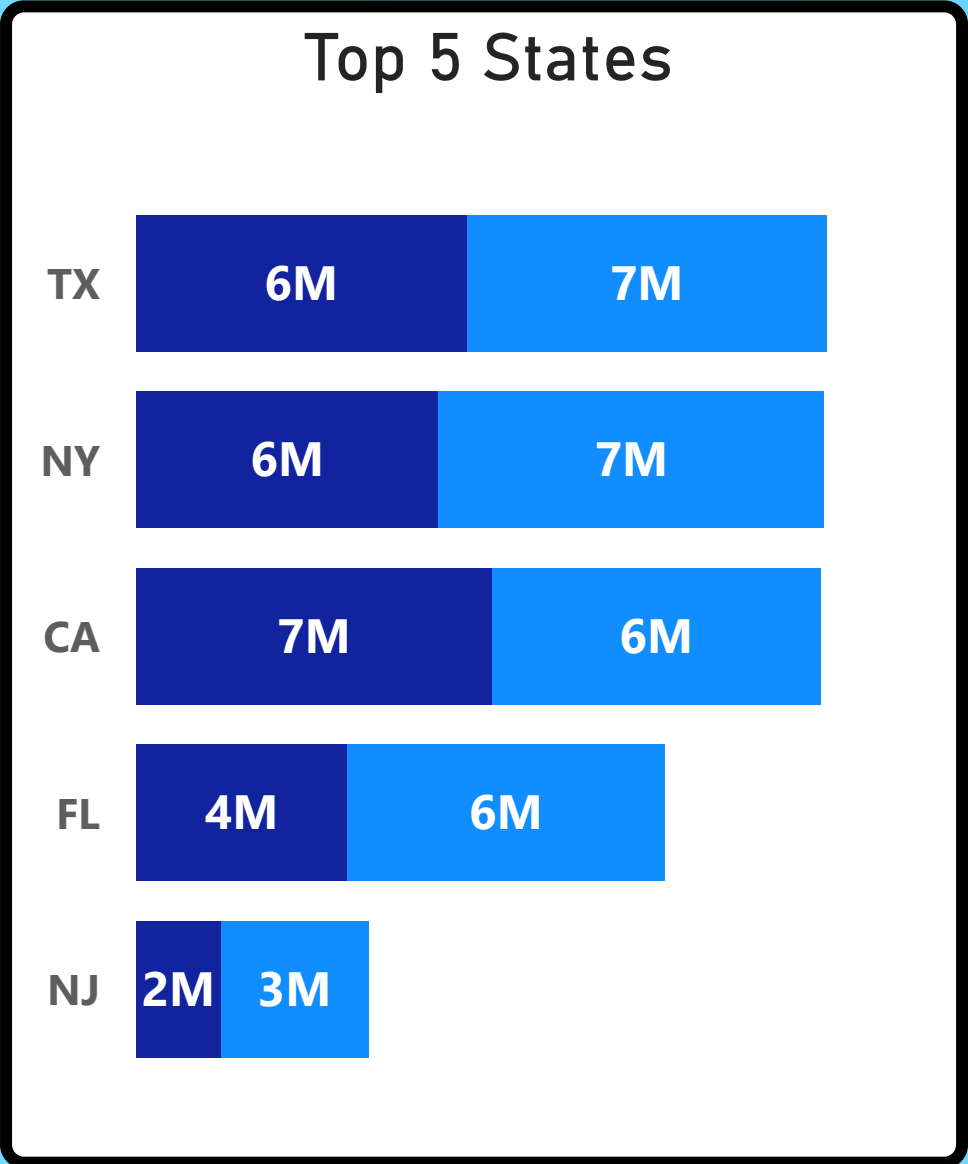
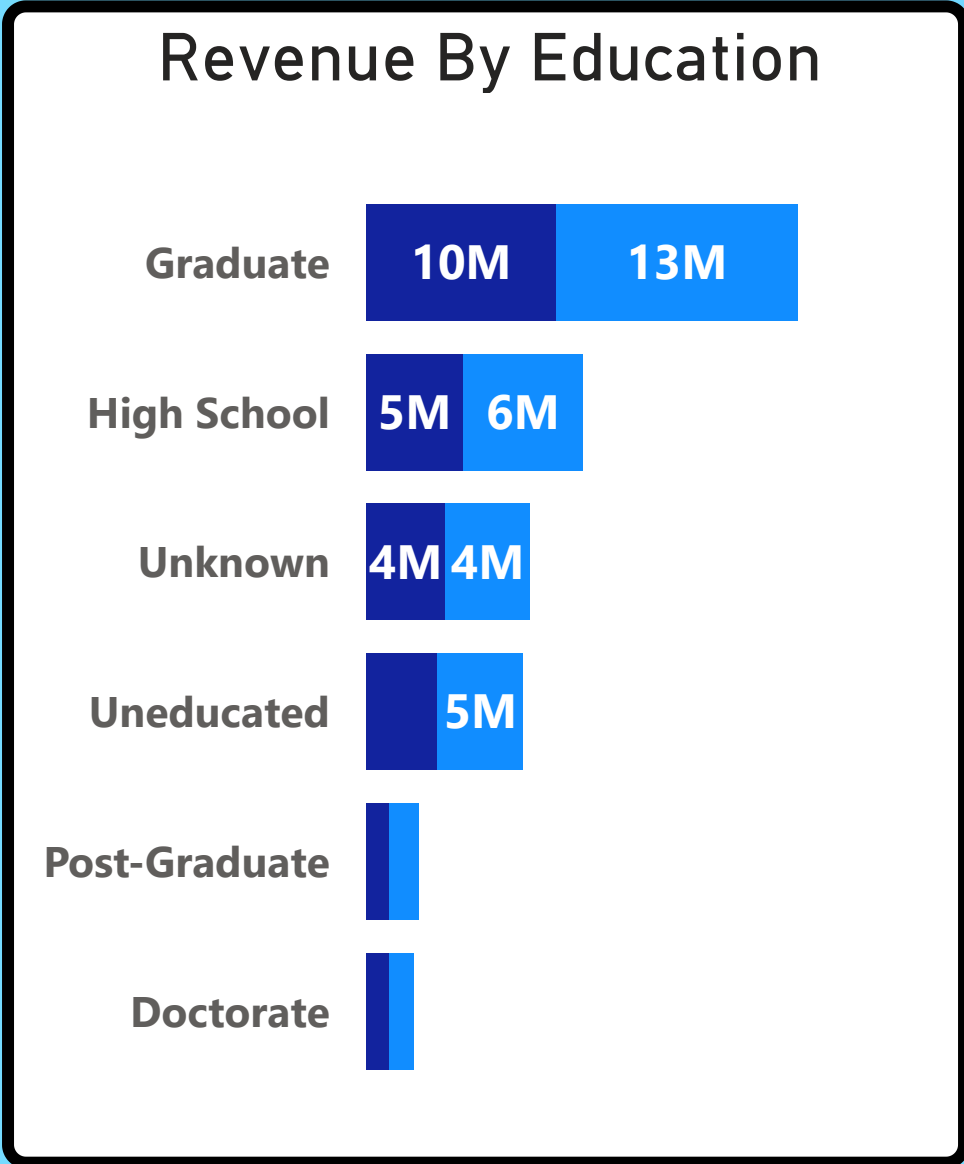
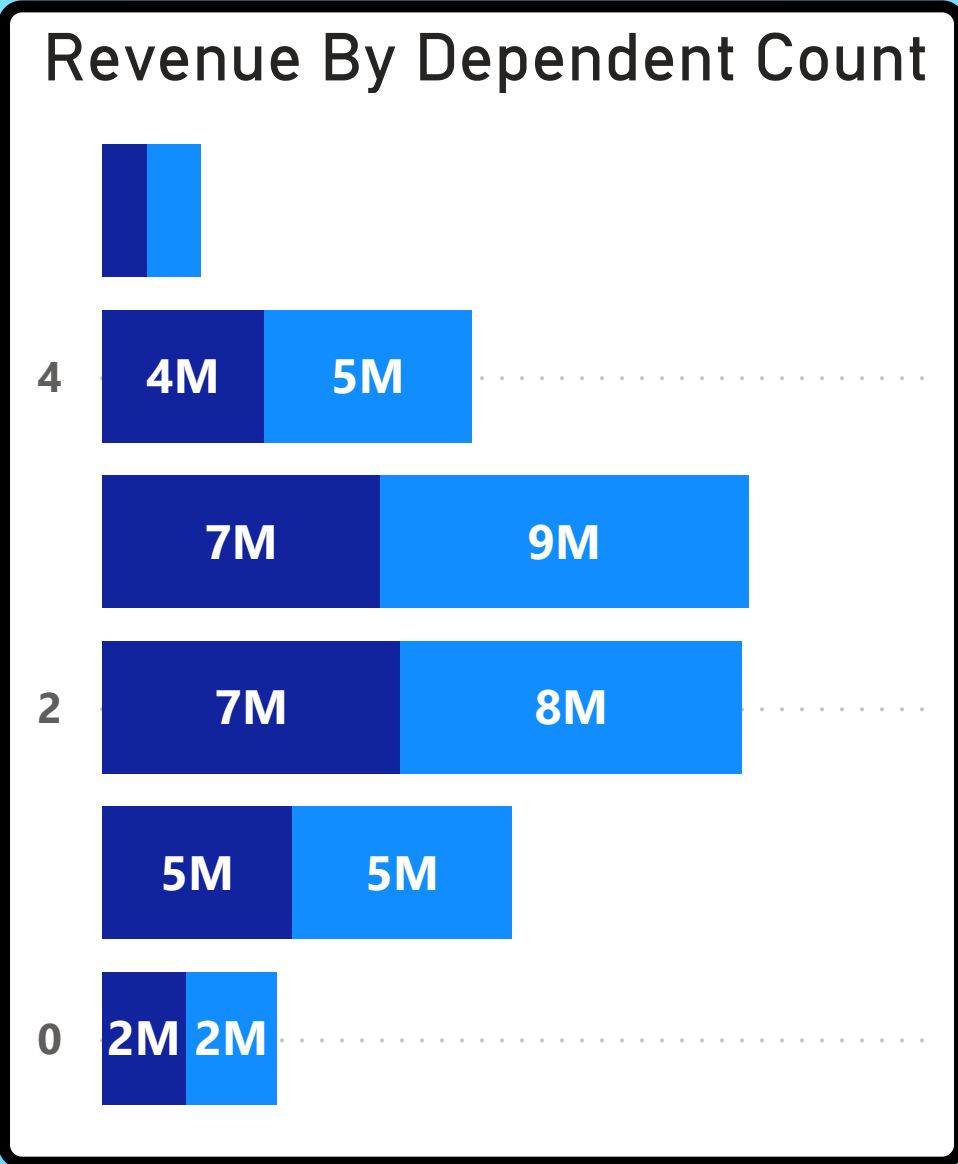
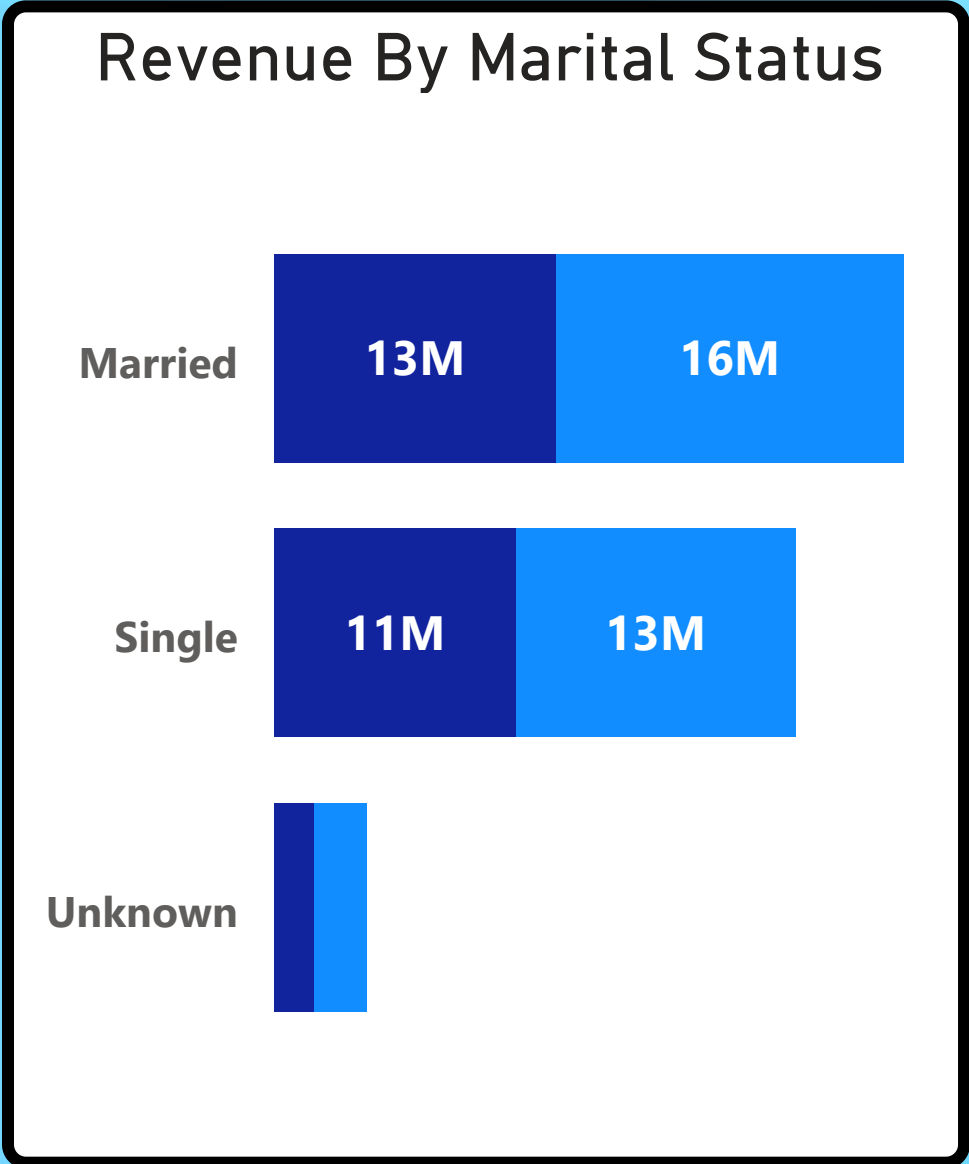
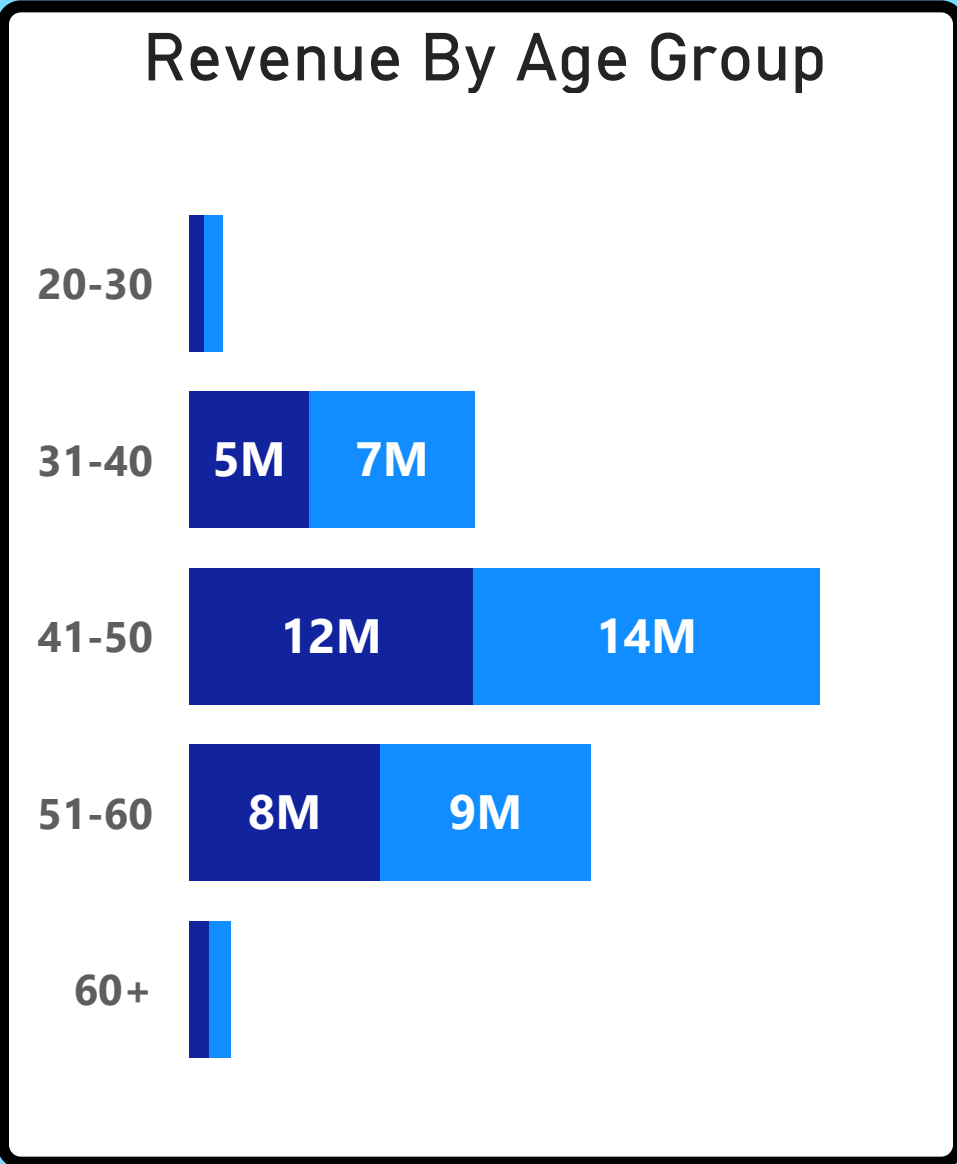
Clear all slicers

Start Date

All



Customer_Job	Total Revenue	Interest Earned	Total Income
Blue-collar	7,040,606	967,751	73516911
Businessman	17,697,472	2,584,604	190350431
Govt	8,335,534	1,182,231	90834727
Retirees	4,617,448	641,692	49619308
Selfemployeed	8,542,826	1,141,510	77659931
White-collar	10,283,124	1,464,691	105618475
Total	56,517,011	7,982,480	587599783



Project Insights – Week 53 (31st Dec)

WoW change :

- Revenue increased by **28.8%**

Overview YTD :

- Overall revenue is **57M**
- Total interest is **8M**
- Total transaction amount is **46M**
- Male customers are contributing more in revenue **31M**, female **26M**
- Blue & Silver credit cards** are contributing to **93%** of overall transactions
- TX, NY & CA** are contributing to **68%**
- Overall **Activation rate** is **57.5%**
- Overall **Delinquent rate** is **6.06%**