#### **USER DATA**

- Demographic information about customers
- Account-related details
- Enables customer segmentation and personalized analysis

### TRANSACTION DATA

- Detailed transaction records including amounts, timestamps, and merchant details
- Features transaction types, amounts, and merchant information

### **CREDIT CARD DATA**

- Credit and debit card details
- Includes card limits, types, and activation dates
- Links to customer accounts via card\_id
- Essential for understanding customer financial profiles

### MCC CODES

- Standard classification codes for business types
- Enables transaction categorization and spending analysis
- Industry-standard MCC codes with descriptions

START

**OVERVIEW** 

**USER ANALYSIS** 

TRANSACTION ANALYSIS

**CREDIT CARD ANALYSIS** 

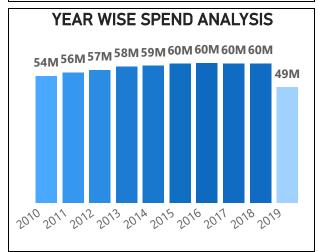
MCC ANALYSIS

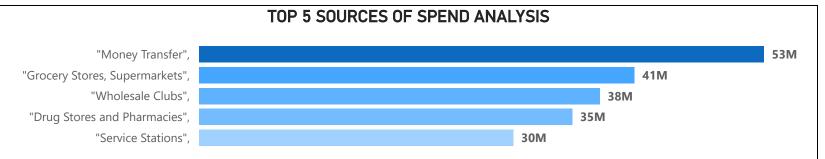
## **PROJECT ANALYSIS**

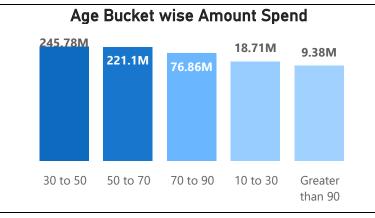
- 1. This project includes the analysis of Credit Card Transaction done by individuals with the help of various parameters like User data, Transactional data, Credit Card Data and MCC Codes.
- 2. Month on Month transaction of user by creation of age bucketing, along with categorization of gender
- 3. Created a decomposition tree to show flow of transaction on various parameters like gender, age bucket, credit card type etc.
- 4. Comparison of Yearly Income, Per Capita Income with Amount Spent month on month basis
- 5. Analysis includes the type of transaction done by customer with the help of MCC Code details
- 6. City wise transaction along with gender so that we can analyze the amount spend by customer

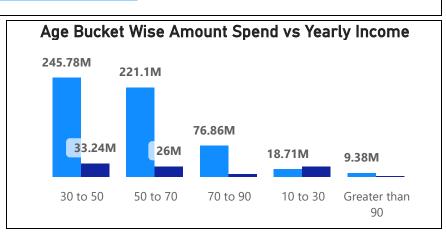


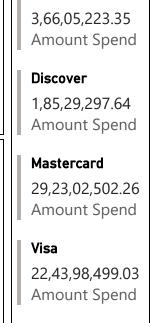




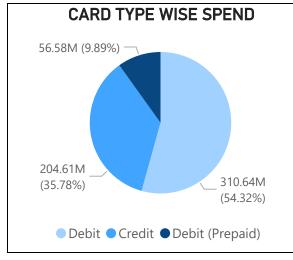


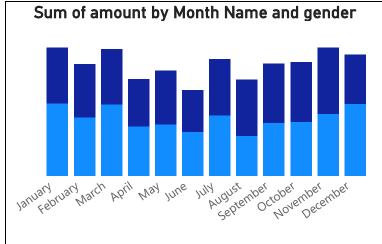


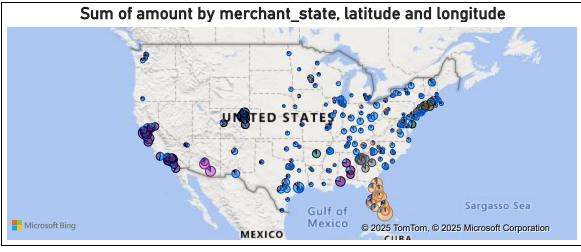




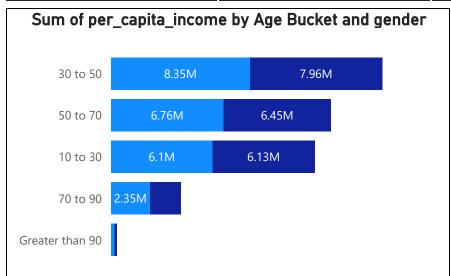
Amex

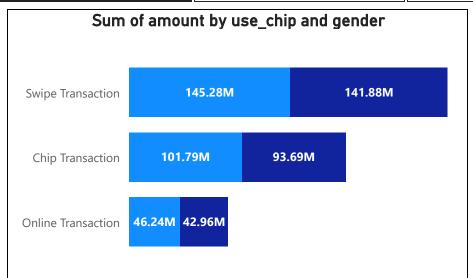


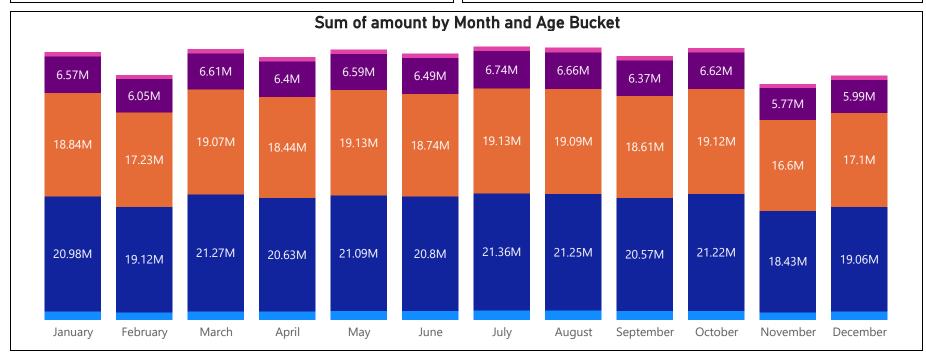


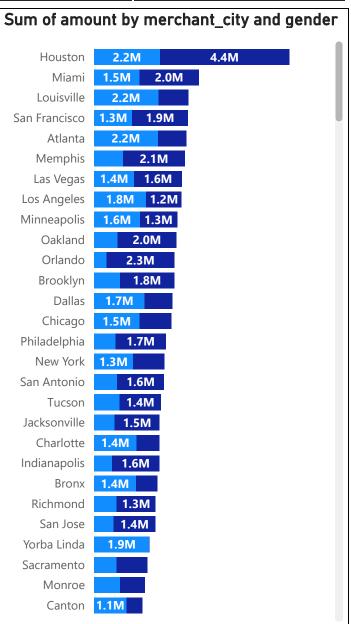




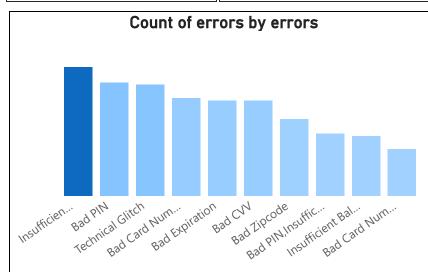


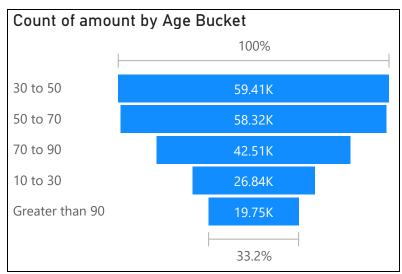


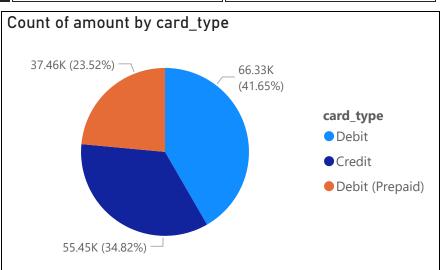


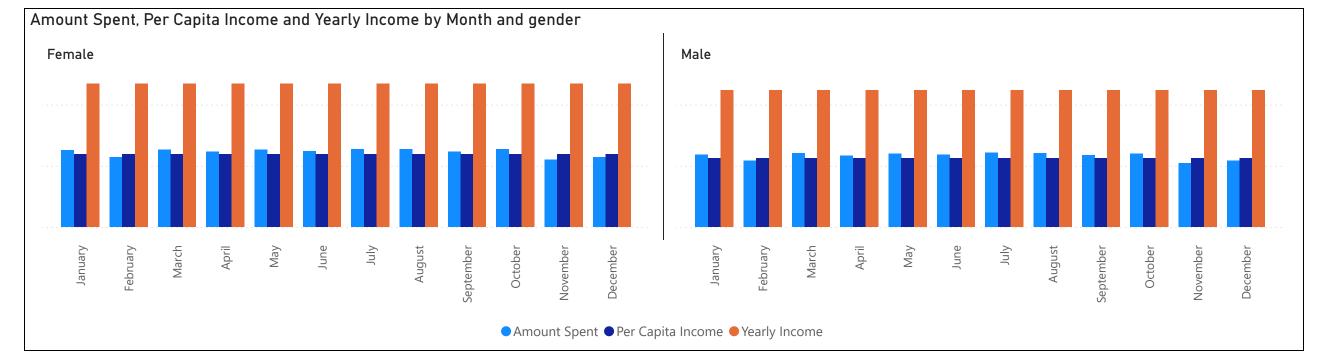


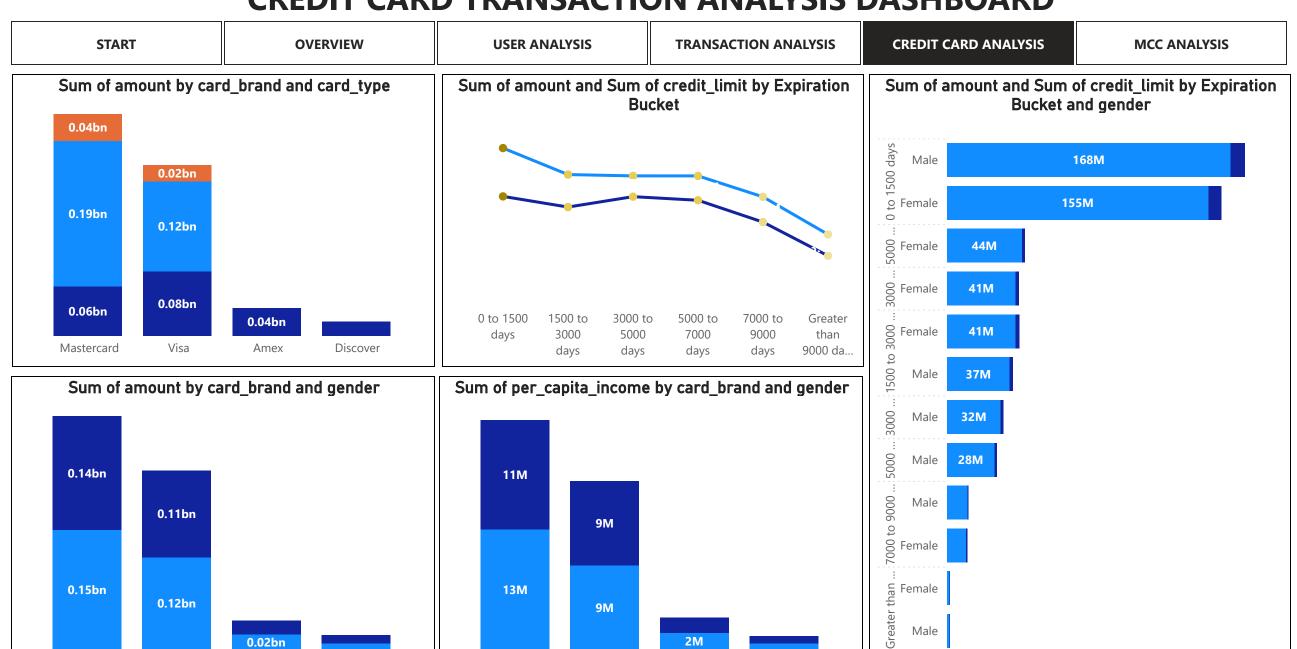












2M

Amex

Discover

0.02bn

Amex

Discover

Mastercard

Visa

Visa

Mastercard

Male

**START OVERVIEW CREDIT CARD ANALYSIS MCC ANALYSIS USER ANALYSIS** TRANSACTION ANALYSIS Month Name Age Bucket Details X gender  $\times$ X X card brand card\_type "Airlines", Visa January Female 30 to 50 "Accounting, Auditing,... **Female** 10 to 30 January Amex 5,47,40,148.70 3,08,84,278.54 16,64,914.98 4,457.28 3,123.33 "Airlines", February Male 30 to 50 Mastercard Credit 5,222.86 4,76,18,803.34 2,38,55,870.16 98,15,532.03 25,139,45 11,883.87 "Amusement Parks, Ca... Visa March 50 to 70 Debit 5,39,35,794,74 10,132.25 1,08,81,849,15 5,607.71 1,844.64 "Antique Shops", 70 to 90 Debit (Prepaid) April 36,010.50 4,11,45,316.87 72,69,499.19 3,064.75 Sum of amount 57,18,35,522.28 May Greater than 90 "Artist Supply Stores, ... 24,359.72 4,48,49,637.00 12,52,483.19 "Athletic Fields, Comm... June 3,64,19,071.93 23,614.15 July "Automotive Body Rep... 4.96.70.493.60 7,305.07 "Automotive Parts and... August 4.08,90,437.98 9,713.13 V