

POWER BI PROJECT

# CREDIT-CARD REPORT DASHBOARD

PRESENTED BY NAVANITA DAS

# OBJECTIVE

## PROJECT OBJECTIVE

To develop a comprehensive credit card weekly dashboard that provides real-time insights into key performance metrics and trends, enabling stakeholders to monitor and analyze credit card operations effectively.

[PROJECT GITHUB LINK](#)

# SQL

## IMPORTING DATA TO SQL DATABASE

1. Prepare csv file
2. Create tables in SQL
3. import csv file into SQL

## DAX QUERIES

```
AgeGroup = SWITCH(  
    TRUE(),  
    'public cust_detail'[customer_age] < 30, "20-30",  
    'public cust_detail'[customer_age] >= 30 &&  
        'public cust_detail'[customer_age] < 40, "30-40",  
    'public cust_detail'[customer_age] >= 40 &&  
        'public cust_detail'[customer_age] < 50, "40-50",  
    'public cust_detail'[customer_age] >= 50 &&  
        'public cust_detail'[customer_age] < 60, "50-60",  
    'public cust_detail'[customer_age] >= 60, "60+",  
    "unknown"  
)
```

## DAX QUERIES

```
IncomeGroup = SWITCH(  
    TRUE(),  
    'public cust_detail'[income] < 35000, "Low",  
    'public cust_detail'[income] >= 35000 &&  
        'public cust_detail'[income] < 70000, "Med",  
    'public cust_detail'[income] >= 70000, "High",  
    "unknown"  
)
```

## DAX QUERIES

```
week_num2 = WEEKNUM('public cc_detail'[week_start_date])
```

```
Revenue = 'public cc_detail'[annual_fees] +  
'public cc_detail'[total_trans_amt] +  
'public cc_detail'[interest_earned]
```

## DAX QUERIES

```
Previous_week_Revenue = CALCULATE(  
    SUM('public cc_detail'[Revenue]),  
    FILTER(  
        ALL('public cc_detail'),  
        'public cc_detail'[week_num2] = MAX('public cc_detail'  
            [week_num2]-1)  
    )  
)
```

## DAX QUERIES

```
Current_week_Revenue = CALCULATE(  
    SUM('public cc_detail'[Revenue]),  
    FILTER(  
        ALL('public cc_detail'),  
        'public cc_detail'[week_num2] = MAX('public cc_detail'  
            [week_num2])  
    )  
)
```

# PROJECT INSIGHTS

WEEK 53  
31 DEC 2024

## OVERVIEW YEAR TO DAY

Overall revenue is 167M  
Total interest is 24M

Total transaction amount is 135M  
Male customers are contributing more in  
revenue 91M, female 76M

- Blue & Silver credit card are contributing to 93%  
of overall transactions
- TX, NY & CA is contributing to 68%

# THANK YOU



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