**NEW YORK CITY BUSINESS LOAN ANALYSIS -summary**

DASHBOARD 1: SUMMARY

Key Performance Indicators (KPIs) Requirements:

Total Loan Applications: We need to calculate the total number of loan applications received during a period of 2012-2019.

Total Funded Amount: Understanding the total amount of funds disbursed as loans is crucial. We also want to keep an

Total Amount Received: Tracking the total amount received from borrowers is essential for assessing the bank's cash

Total Outstanding amount : Tracking the balance amount to be paid by the customer

Interest Rate(slicer): FILTER the three distinct interest rate

Funded date(slicer) : filter is used to view the loan status within the time period

DASHBOARD 1: SUMMARY

TOTAL FUNDED AMOUNT RELEASED BY YEAR:

LINE chart gives YEARLY Trends :

To identify seasonality and long-term trends in lending activities and

to track which year the bank has released highest fund

TOTAL LOAN DISPERSED:

How many loan are released in each year, to track which year the bank has given more loan to the customer

TYPES OF LOAN :

They are 5 kinds of loan, **first donut chart** shows how many loan are dispersed to each purpose

**Second donut chart** shows how much percentage of loan amount released to each purpose

To track which loan which purpose is getting highest loan amount and max number of loan

TENURE:

The bank gives the loan in different duration, that is 30yr, 20yr, 15yr, 10 yr

By creating tree chart we can analysis which tenure gets highest loan

So 30 yr tenure gets the maximum loan

DASHBOARD 2: DETAILS

Total funded amount for each SEGMENT

ADDING a new column for segment, by applying the interest rate (0.4) & funded amount below (1500000) as seg 1 , then funded amount between 1500000 and 2500000 and [interest rate]<=0.5 then seg2 , else seg 3

By this we can track how many customers are under 0.4 interest and below 1500000

And how much amount of fund is released

TOTAL FUNDED AMOUNT by EMPLOYEE LENGTH

To identify for which employee the highest fund is given

Metrics to be shown: Maximum property value, Minimum property value, and Average property value, Minimum funded amount, Maximum Funded Amount

DASHBOARD 3: purpose

Filter: Using the filter for the purpose

* We can have detail look on each purpose
* Bar chart gives the detail visual of how the Fund released for boat in each year
* Column chart gives the detail of how many loan are released for boat in each year
* Table chart gives what are the tenure given for boat and which duration gets the max loan for boat
* The pie chart tells what is the maximum interest rate given for boat