**Data Analyst**

**Aldiyar Baiserik Project**

Bank Loan Query Document

Bank Loan Report

KPI’s:

**Total Loan Applications:**

Select Count(id) as Total\_Loan\_Applications

From dbo.bank\_loan\_data

A screen shot of a computer

Description automatically generated

**Total Loan Amount:**

Select Sum(loan\_amount)

From dbo.bank\_loan\_data

**A close-up of a number

Description automatically generated**

**Total Payment Amount:**

Select Sum(total\_payment) as Total\_Payment\_Amount

From dbo.bank\_loan\_data

**A close up of a receipt

Description automatically generated**

**Month to Date Loan Applications:**

Select Count(id) as Mtd\_Total\_Loan\_Applications

From dbo.bank\_loan\_data

Where Month(issue\_date) =12 and Year(issue\_date)=2021

A screen shot of a computer

Description automatically generated

Select Count(id) as PMTD\_Total\_Loan\_Applications

From dbo.bank\_loan\_data

Where Month(issue\_date)=11 and Year(issue\_date)=2021

A close up of a credit card

Description automatically generated

**Month to Date Total Loan Amount:**

Select Sum(loan\_amount)as MTD\_Total\_Loan

From dbo.bank\_loan\_data

Where Month(issue\_date)=12 and Year(issue\_date)=2021



Select Sum(loan\_amount)as PMTD\_Total\_Loan

From dbo.bank\_loan\_data

Where Month(issue\_date)=11 and Year(issue\_date)=2021



**Month to Date Total Payment Amount:**

Select Sum(total\_payment)as MTD\_Total\_Payment

From dbo.bank\_loan\_data

Where Month(issue\_date)=12 and Year(issue\_date)=2021

**A close up of a receipt

Description automatically generated**

Select Sum(total\_payment)as PMTD\_Total\_Payment

From dbo.bank\_loan\_data

Where Month(issue\_date)=11 and Year(issue\_date)=2021

****

**Average Interest Rate:**

Select Round(AVG(int\_rate)\*100,2) AS Avg\_Interest\_rate

From dbo.bank\_loan\_data

**A screenshot of a computer

Description automatically generated**

**Good loan Applications:**

Select Count(loan\_status) as Good\_Loan\_Applicants

FRom dbo.bank\_loan\_data

Where loan\_status= 'Fully Paid' or loan\_status='Current'

**A close-up of a sign

Description automatically generated**

**Good loan Application Percentage:**

Select Cast(Round(Count(Case When loan\_status= 'Fully Paid' or loan\_status='Current' Then id End) \*100

/

count(id),0) as nvarchar(5)) + '%' as Good\_Loan\_Percentage

From dbo.bank\_loan\_data

A close up of a sign

Description automatically generated

**Good Loan Funded Amount:**

Select Sum(loan\_amount) as Good\_Loan\_Funded

From dbo.bank\_loan\_data

Where loan\_status= 'Fully Paid' or loan\_status='Current'

****

**Good Loan Total Received Amount:**

Select Sum(total\_payment) as Good\_Loan\_Funded

From dbo.bank\_loan\_data

Where loan\_status= 'Fully Paid' or loan\_status='Current'

**A close up of a credit card

Description automatically generated**

**Bad loan Applications:**

Select Count(loan\_status) as Bad\_Loan\_Applicants

FRom dbo.bank\_loan\_data

Where loan\_status= 'Charged Off'

**A close-up of a label

Description automatically generated**

**Bad loan Application Percentage:**

Select (Count(Case When loan\_status = 'Charged off' Then id End)\*100.0) /

Count(id) as Bad\_Loan\_Percentage

From dbo.bank\_loan\_data



**Bad Loan Funded Amount:** Select Sum(loan\_amount) as Bad\_Loan\_Funded

From dbo.bank\_loan\_data

Where loan\_status= 'Charged off'

A screen shot of a computer

Description automatically generated

**Bad Loan Total Received Amount:**

Select Sum(total\_payment) as Bad\_Loan\_Funded

From dbo.bank\_loan\_data

Where loan\_status= 'Charged off'

**A close up of a number

Description automatically generated**

**Monthly Trend by Issue Date:**

Select Month(issue\_date)as Month\_Number,

DATENAME(Month,issue\_date)as Month\_Name,

Count(id) as Total\_Loan\_Applications,

Sum(loan\_amount)as Total\_Loan\_Amount,

Sum(total\_payment) as Total\_Payment\_Amount

from dbo.bank\_loan\_data

GROUP BY Month(issue\_date), DATENAME(Month,issue\_date)

order by 1

**A screenshot of a table

Description automatically generated**

**Regional Analysis by State:**

Select address\_state as Address\_State,

Count(id) as Total\_Loan\_Applications,

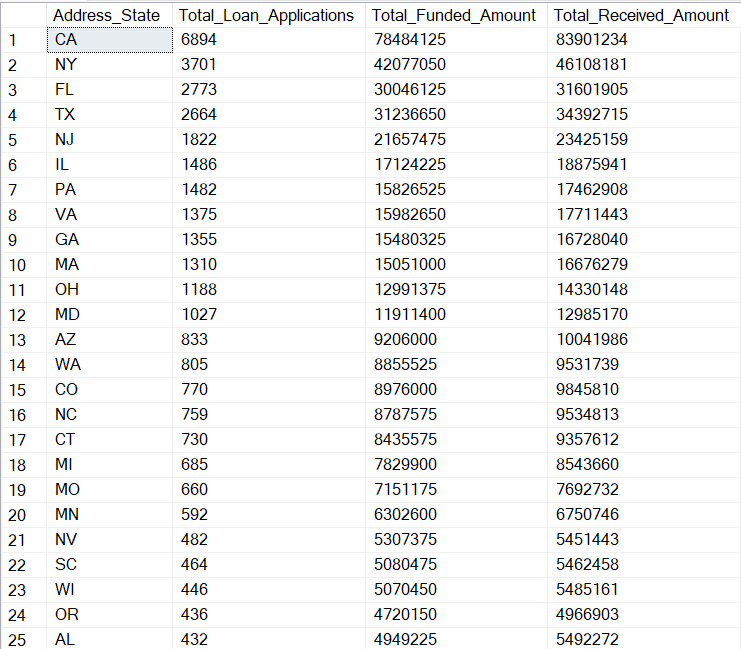
Sum(loan\_amount)as Total\_Funded\_Amount,

Sum(total\_payment) as Total\_Received\_Amount

from dbo.bank\_loan\_data

GROUP BY address\_state

order by Total\_Loan\_Applications desc

**** **A screenshot of a data

Description automatically generated**

**Loan Term Analysis:**

Select term as Term,

Count(id) as Total\_Loan\_Applications,

Sum(loan\_amount)as Total\_Funded\_Amount,

Sum(total\_payment) as Total\_Received\_Amount

from dbo.bank\_loan\_data

GROUP BY term

order by 1

A screenshot of a number

Description automatically generated

**Employee Length Analysis:**

Select emp\_length as Emp\_Length,

Count(id) as Total\_Loan\_Applications,

Sum(loan\_amount)as Total\_Funded\_Amount,

Sum(total\_payment) as Total\_Received\_Amount

from dbo.bank\_loan\_data

GROUP BY emp\_length

order by emp\_length

A screenshot of a number

Description automatically generated

**Loan Purpose Analysis:**

Select purpose as Purpose,

Count(id) as Total\_Loan\_Applications,

Sum(loan\_amount)as Total\_Funded\_Amount,

Sum(total\_payment) as Total\_Received\_Amount

from dbo.bank\_loan\_data

GROUP BY purpose

order by Total\_Loan\_Applications desc

A table with numbers and a few black text

Description automatically generated with medium confidence

**Home Ownership Analysis:**

Select home\_ownership as Home\_Ownership,

Count(id) as Total\_Loan\_Applications,

Sum(loan\_amount)as Total\_Funded\_Amount,

Sum(total\_payment) as Total\_Received\_Amount

from dbo.bank\_loan\_data

GROUP BY home\_ownership

order by Total\_Loan\_Applications desc A screenshot of a table

Description automatically generated