Bank Loan Analysis Report Query

--Total Bank Total loan application --

select count(id) as Total\_Loan\_Application from bankdata

Result: 

-- Total Month-to-Date Bank loan applications--

select

count(id) as MTD\_Toal\_Loan\_Applications from bankdata

where month(issue\_date)=12 and year(issue\_date)=2021

Result: 

--Total Previous MTD Bank Loan Applications--

select

count(id) as PMTD\_Total\_Loan\_Application from Bankdata

where month(issue\_date) =11 and year(issue\_date)=2021

Result: 

-- Total Funded Amount--

select

sum(loan\_amount)

as Total\_funded\_amount from Bankdata

Result: 

-- Month-to-date Total Funded Amount--

select

sum(loan\_amount) as MTD\_Total\_Funded\_Amount

from Bankdata

where month(issue\_date)=12 and year(issue\_date)=2021

Result: 

-- Total Previous Month-to-Date Funded amount--

select

sum(loan\_amount) as PMTD\_Total\_Funded\_Amount from Bankdata

where month(issue\_date)=11 and year(issue\_date)=2021

Result: 

--Total Amount Received--

select

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

from Bankdata

Result: 

-- Month-to-date Total Amount Received--

select

sum(total\_payment) as MTD\_Total\_Amount\_Received

from Bankdata

where month(issue\_date)=12 and year(issue\_date)=2021

Result: 

--Previous Month-to-date Total Amount Received--

select

sum(total\_payment) as PMTD\_Total\_Amount\_Received

from Bankdata

where month(issue\_date)=11 and year(issue\_date)=2021

Result: 

-- Average Interest rate--

select

ROUND(avg(int\_rate)\*100,2) as Average\_Int\_Rate

from Bankdata

Result: 

-- Month-to-date Average Interest rate--

select

ROUND(avg(int\_rate)\*100,2) as MTD\_Average\_Int\_Rate

from Bankdata

where month(issue\_date)=12 and year(issue\_date)=2021

Result: 

--Previous Month-to-date Average Interest rate--

select

ROUND(avg(int\_rate)\*100,2) as PMTD\_Average\_Int\_Rate

from Bankdata

where month(issue\_date)=11 and year(issue\_date)=2021

Result: 

--Average Debt-to-Income Ratio--

select

ROUND(avg(dti)\*100,2) as Average\_DTI

from Bankdata

Result: 

--Month-to-date Average Debt-to-Income Ratio--

select

ROUND(avg(dti)\*100,2) as MTD\_Average\_DTI

from Bankdata

where month(issue\_date)=12 and year(issue\_date)=2021

Result: 

--Previous Month-to-date Average Debt-to-Income Ratio--

select

ROUND(avg(dti)\*100,2) as PMTD\_Average\_DTI

from Bankdata

where month(issue\_date)=11 and year(issue\_date)=2021

Result: 

--Good Loan Application Percentage--

select

(count(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then id end )\*100

/

Count(id)) as Goodloan\_Applications\_Percentage

from Bankdata

Result: 

--Total Good Loan Applications--

select

count(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then id end )

as Total\_Good\_loan\_Applications

from Bankdata

Result: 

--Total Good Loan Funded Amount--

select

sum(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then loan\_amount end )

as Total\_Good\_loan\_Amount

from Bankdata

Result: 

--Total Good Loan Funded Amount Received--

select

sum(case when loan\_status = 'Fully Paid' or loan\_status = 'Current' then total\_payment end )

as Total\_Good\_loan\_Amount\_Received

from Bankdata

Result:

--Bad Loan Application Percentage--

select

(count(case when loan\_status = 'Charged off' then id end )\*100

/

Count(id)) as Bad\_loan\_Applications\_Percentage

from Bankdata

Result:

--Total Bad Loan Applications--

select

count(case when loan\_status = 'Charged off' then id end )

as Total\_Bad\_loan\_Applications

from Bankdata

Result:

--Total Bad Loan Funded Amount--

select

sum(case when loan\_status = 'Charged off' then loan\_amount end )

as Total\_Bad\_loan\_Amount

from Bankdata

Result:

--Total Bad Loan Funded Amount Received--

select

sum(case when loan\_status = 'Charged off' then total\_payment end )

as Total\_Bad\_loan\_Amount\_Received

from Bankdata

Results: 

-- Loan status grid view--

select

Loan\_status,

count(id) as Total\_Loan\_Application,

sum(loan\_amount) as Total\_loan\_funded\_amount,

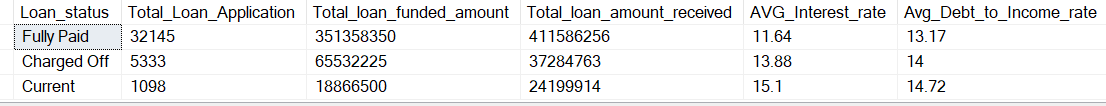
sum(total\_payment) as Total\_loan\_amount\_received,

round(avg(int\_rate\*100),2) as AVG\_Interest\_rate,

round(avg(dti\*100),2) as Avg\_Debt\_to\_Income\_rate

from Bankdata

group by loan\_status

Result: 

-- Loan status grid view MTD, --

select

loan\_status,

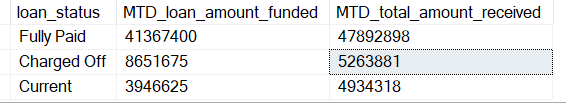
sum(loan\_amount) as MTD\_loan\_amount\_funded,

sum(total\_payment) as MTD\_total\_amount\_received

from bankdata

where month(issue\_date)=12

group by loan\_status

Result: 

--Monthly Trends of issue date--

select

Month(issue\_date) as Month\_Number,

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

count(id) as Total\_Loan\_Application\_received,

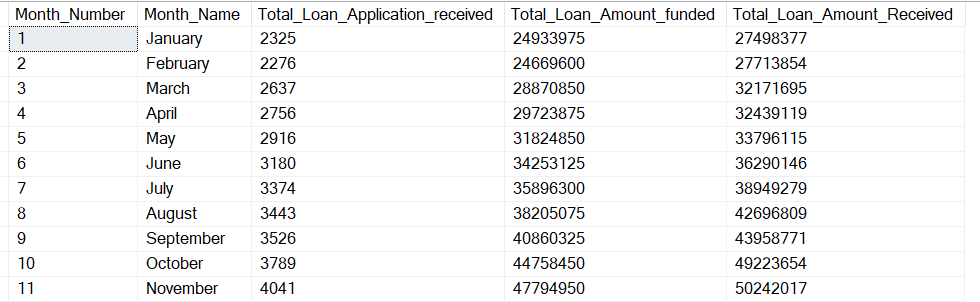
sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by Month(issue\_date),Datename(Month, issue\_date)

order by Month(issue\_date) asc

Result:

--Regional Analysis by State--

select

address\_state as State,

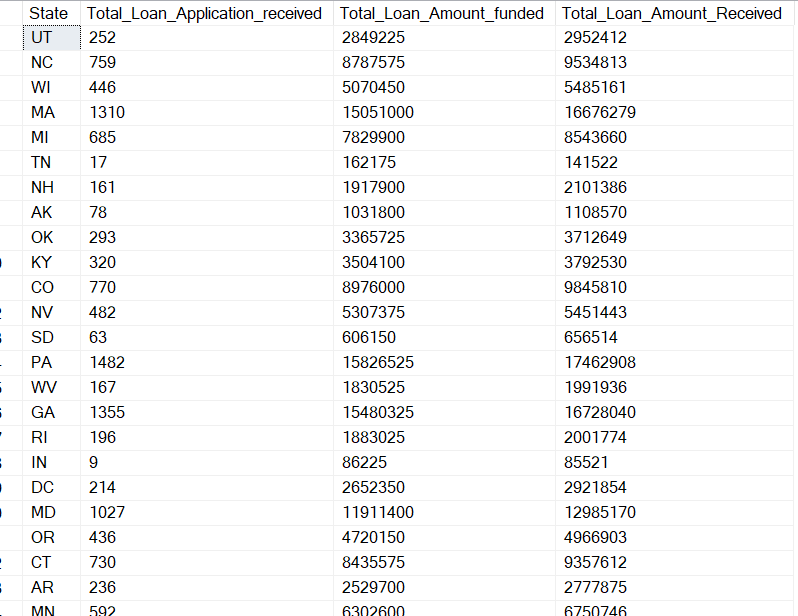
count(id) as Total\_Loan\_Application\_received,

sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by address\_state

Result:

-- Loan Term Analysis--

select

term,

count(id) as Total\_Loan\_Application\_received,

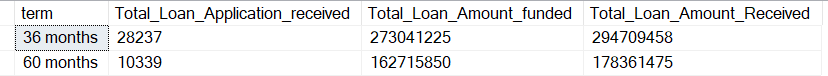
sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by term

order by term asc

Result:

-- Employee Length Analysis –-

select

emp\_length,

count(id) as Total\_Loan\_Application\_received,

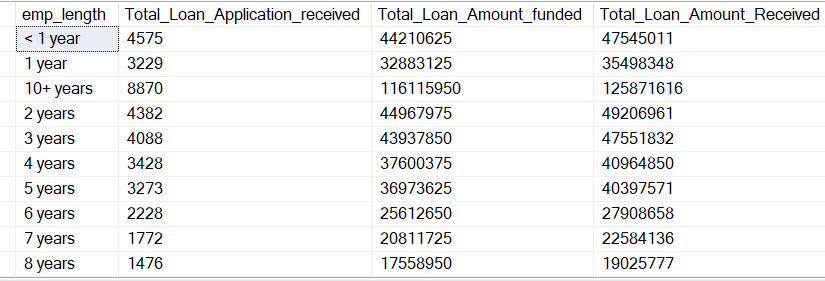
sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by emp\_length

order by emp\_length asc

Result: 

--Loan Purpose Breakdown--

select

purpose,

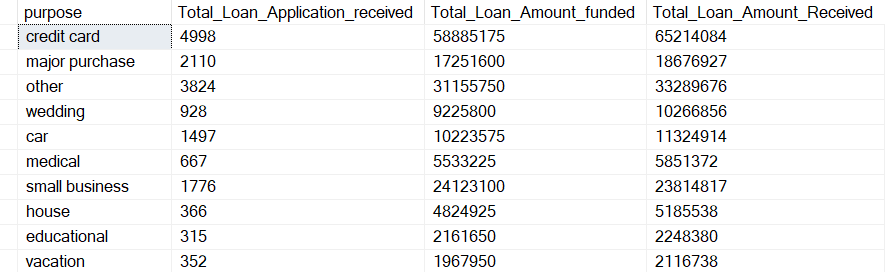
count(id) as Total\_Loan\_Application\_received,

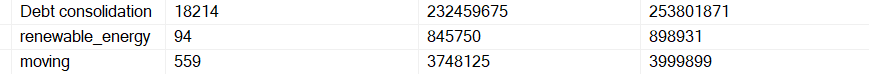
sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by purpose

Result: 



--Home Ownership Analysis --

select

home\_ownership,

count(id) as Total\_Loan\_Application\_received,

sum(loan\_amount) as Total\_Loan\_Amount\_funded,

sum(total\_payment) as Total\_Loan\_Amount\_Received

from Bankdata

group by home\_ownership

Result: 