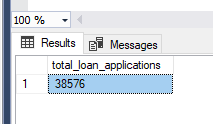
**Bank Loan Report**

Dashboard 1 : Summary

KPIs (Key Performance Indicators)

1.Total Loan Applications

select count(id) as total\_loan\_applications from bank\_loan\_data



Total Loan Applications month to date

select count(id) as MTD\_Total\_loan\_applications from bank\_loan\_data

where month(issue\_date)=12



Total Loan Applications month over month

select count(id) as Mom\_Total\_loan\_applications from bank\_loan\_data

where month(issue\_date)=11



2.Total Amount Funded

select sum(loan\_amount) as Total\_funded\_Amount

from bank\_loan\_data



Total Amount Funded for MTD (month to date)

select sum(loan\_amount) as MTD\_Total\_funded\_Amount

from bank\_loan\_data

where month(issue\_date)=12



Total Amount Funded for Previous month to date

select sum(loan\_amount) as PMTD\_Total\_funded\_Amount

from bank\_loan\_data

where month(issue\_date)=11



Total Amount Received

select sum(total\_payment) as total\_amount\_recieved

from bank\_loan\_data



Total Amount Received MTD

select sum(total\_payment) as MTD\_total\_amount\_recieved

from bank\_loan\_data

where MONTH(issue\_date)=12



Total Amount Received PMTD

select sum(total\_payment) as PMTD\_total\_amount\_recieved

from bank\_loan\_data

where MONTH(issue\_date)=11



Average Interest Rate

select avg(int\_rate)\*100 as Avg\_Interest\_Rate

from bank\_loan\_data



Average Interest Rate Month to date

select round(avg(int\_rate),4)\*100 as MTD\_Avg\_Interest\_Rate

from bank\_loan\_data

where month(issue\_date)=12



Average Interest Rate PMOD

select round(avg(int\_rate),4)\*100 as PMTD\_Avg\_Interest\_Rate

from bank\_loan\_data

where month(issue\_date)=11



Average DTI Rate

select round(avg(dti),4)\*100 as avg\_dti\_rate

from bank\_loan\_data



Average DTI Rate MTD

select round(avg(dti),4)\*100 as MTD\_avg\_dti\_rate

from bank\_loan\_data

where month(issue\_date)=12



Average DTI Rate PMTD

select round(avg(dti),4)\*100 as PMTD\_avg\_dti\_rate

from bank\_loan\_data

where month(issue\_date)=11



**Good Loan KPIs**

Good Loan Percentage

select

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

/

count(id) as Good\_loan\_percentage

from bank\_loan\_data



Good Loan Applications

select count(id) as Good\_loan\_applications from bank\_loan\_data

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



Good Loan Funded Amount

select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from bank\_loan\_data

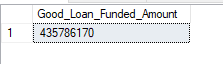
where loan\_status='Fully Paid' or loan\_status='Current'



Good Loan Received Amount

select sum(total\_payment) as Good\_Loan\_Funded\_Amount from bank\_loan\_data

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



**Bad Loan KPIs**

Bad LoanPercentage

select

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

count(id) as Bad\_loan\_Percentage

from bank\_loan\_data



Bad Loan Applications

select count(id) as Bad\_Loan\_Applications from bank\_loan\_data

where loan\_status='Charged Off'



Bad Loans Funded Amount

select sum(loan\_amount) as Bad\_Loan\_Amount from bank\_loan\_data

where loan\_status='Charged Off'



Bad Loans Received Amount

select sum(total\_payment) as Bad\_Loan\_Recieved\_Amount from bank\_loan\_data

where loan\_status='Charged Off'



Loan Status Grid View

select

loan\_status,

count(id) as Total\_Loan\_Applications,

sum(total\_payment) as Total\_Amount\_Recieved,

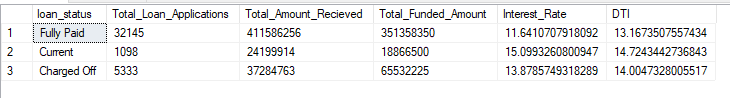
sum(loan\_amount) as Total\_Funded\_Amount,

avg(int\_rate\*100) as Interest\_Rate,

avg(dti\*100)as DTI

from bank\_loan\_data

group by loan\_status



select

loan\_status,

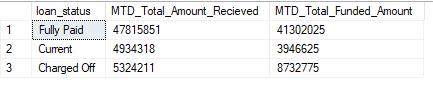
sum(total\_payment) as MTD\_Total\_Amount\_Recieved,

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

from bank\_loan\_data

where month(issue\_date)=12

group by loan\_status



**Dashboard 2 : Overview**

**1. Monthly Trends by Issue Date (Line Chart):**

select

month(issue\_date) as Month,

datename(month,issue\_date) as Month\_Name,

count(id) as Total\_Applications,

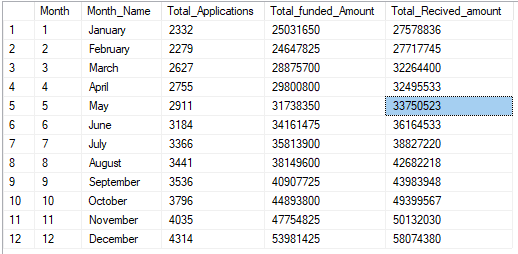
sum(loan\_amount) as Total\_funded\_Amount,

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by datename(month,issue\_date),month(issue\_date)

order by month(issue\_date)



**2.Regional Analysis by State**

select

address\_state,

count(id) as Total\_Applications,

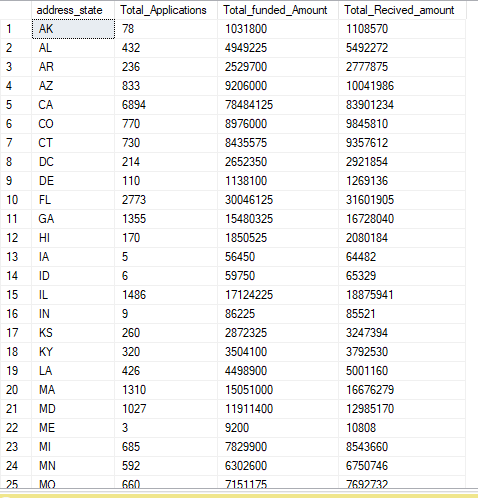
sum(loan\_amount) as Total\_funded\_Amount,

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by address\_state

order by address\_state



**3. Loan Term Analysis (Donut Chart):**

select

term,

count(id) as Total\_Applications,

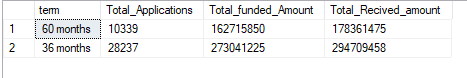
sum(loan\_amount) as Total\_funded\_Amount,

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by term

order by term desc



**4. Employee Length Analysis (Bar Chart):**

select

emp\_length,

count(id) as Total\_Applications,

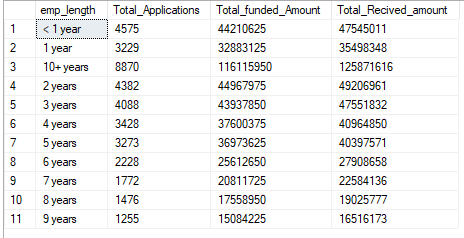
sum(loan\_amount) as Total\_funded\_Amount,

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by emp\_length

order by emp\_length



**5. Loan Purpose Breakdown (Bar Chart):**

select

purpose,

count(id) as Total\_Applications,

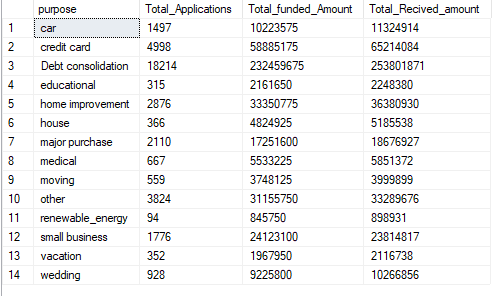
sum(loan\_amount) as Total\_funded\_Amount,

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by purpose

order by purpose



**6. Home Ownership Analysis (Tree Map):**

select

home\_ownership,

count(id) as Total\_Applications,

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

sum(total\_payment) as Total\_Recived\_amount

from bank\_loan\_data

group by home\_ownership

order by home\_ownership

