**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

SELECT COUNT(id) AS Total\_Loan\_Applications FROM bank\_loan\_data



**MTD Loan Applications**

SELECT COUNT(id) AS MTD\_Total\_Loan\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Loan Applications**  
SELECT COUNT(id) AS PMTD\_Total\_Loan\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11

****

**Total Funded Amount**

SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM bank\_loan\_data



**MTD Total Funded Amount**

select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_data

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



**PMTD Total Funded Amount**

select sum(loan\_amount) as PMTD\_Total\_Funded\_Amount from bank\_loan\_data

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



**Total Amount Received**

select sum(total\_payment) as Total\_Amount\_Received from bank\_loan\_data



**MTD Total Amount Received**

select sum(total\_payment) as MTD\_Total\_Amount\_Received from bank\_loan\_data

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



**PMTD Total Amount Received**

select sum(total\_payment) as PMTD\_Total\_Amount\_Received from bank\_loan\_data

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



**Average Interest Rate**

SELECT round(AVG(int\_rate),4) \*100 AS Avg\_Interest\_Rate FROM bank\_loan\_data



**MTD Average Interest**

SELECT round(AVG(int\_rate),4) \*100 AS MTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12 and year(issue\_date) = 2021



**PMTD Average Interest**

SELECT round(AVG(int\_rate),4) \*100 AS PMTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11 and year(issue\_date) = 2021



**Avg DTI**

select round(avg(dti),4) \* 100 as Avg\_DTI from bank\_loan\_data



**MTD Avg DTI**

select round(avg(dti),4) \* 100 as MTD\_Avg\_DTI from bank\_loan\_data

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



**PMTD Avg DTI**

select round(avg(dti),4) \* 100 as PMTD\_Avg\_DTI from bank\_loan\_data

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



**GOOD LOAN ISSUED**

**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 Amount Received**

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

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



**BAD LOAN ISSUED**

**Bad Loan Percentage**

SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100.0) /

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 Loan Funded Amount**

SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_amount FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

****

**Bad Loan Amount Received**

SELECT SUM(total\_payment) AS Bad\_Loan\_amount\_received FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

****

**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

SUM(total\_payment) AS Total\_Amount\_Received,

SUM(loan\_amount) AS Total\_Funded\_Amount,

AVG(int\_rate \* 100) AS Interest\_Rate,

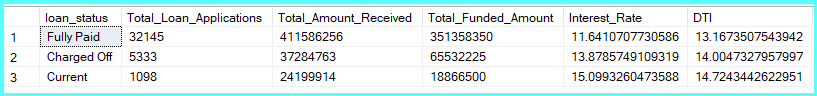
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status



SELECT

loan\_status,

SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status

****

**BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

month(issue\_date) as month\_number,

DATENAME(MONTH, issue\_date) AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

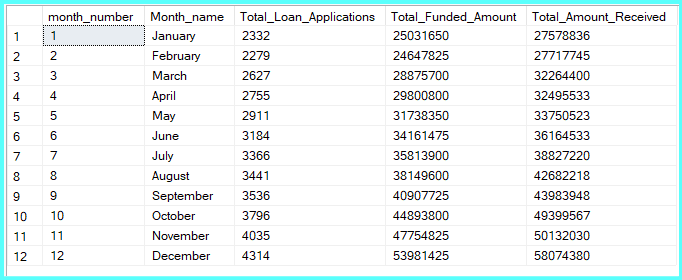
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY month(issue\_date),DATENAME(MONTH, issue\_date)

ORDER BY month(issue\_date)



**STATE**

SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

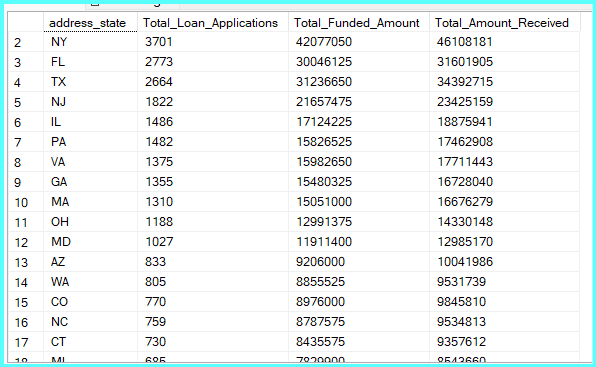
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY count(id) desc



**TERM**

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

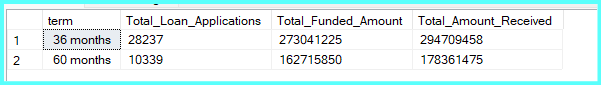
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY term

ORDER BY term



**EMPLOYEE LENGTH**

SELECT

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

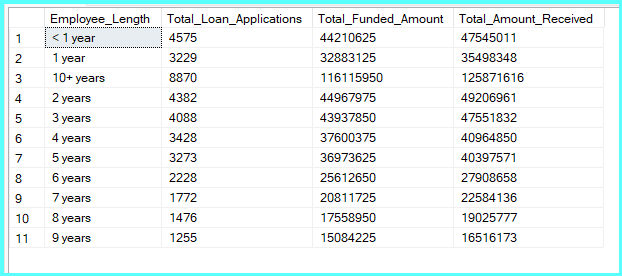
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length



**PURPOSE**

SELECT

purpose AS PURPOSE,

COUNT(id) AS Total\_Loan\_Applications,

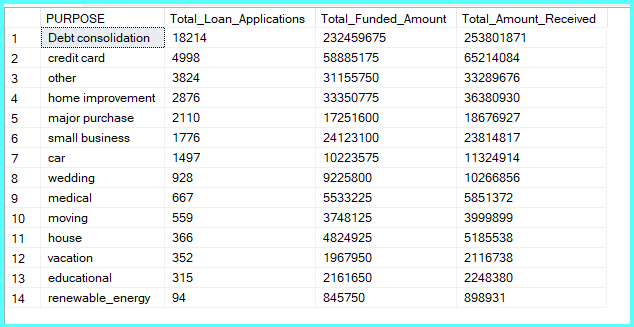
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY count(id) desc



**HOME OWNERSHIP**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

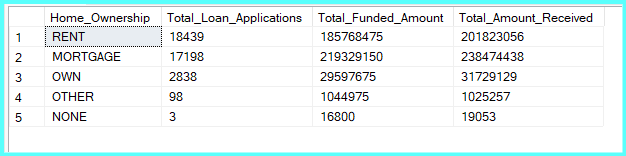
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY count(id) desc



*See the results when we hit the Grade A in the filters for dashboards.*

*SELECT*

*purpose AS PURPOSE,*

*COUNT(id) AS Total\_Loan\_Applications,*

*SUM(loan\_amount) AS Total\_Funded\_Amount,*

*SUM(total\_payment) AS Total\_Amount\_Received*

*FROM bank\_loan\_data*

*WHERE grade = 'A'*

*GROUP BY purpose*

*ORDER BY purpose*