**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

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



**MTD Loan Applications**

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

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



**PMTD Loan Applications**

SELECT COUNT(id) AS PMTD\_Total\_Applications FROM bank\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MoM

(MTD-PMTD)/PMTD = 0.0691/6.91%

**Total Funded Amount**

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



**MTD Total Funded Amount**

SELECT SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount FROM bank\_loan

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

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MoM

(MTD-PMTD)/PMTD = 0.1303/13.03%

**Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM bank\_loan



**MTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected FROM bank\_loan

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



**PMTD Total Amount Received**

SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_Collected FROM bank\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MoM

(MTD-PMTD)/PMTD = 0.158/15.84%

**Average Interest Rate**

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS Avg\_Int\_Rate FROM bank\_loan



**MTD Average Interest**

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS MTD\_Avg\_Int\_Rate FROM bank\_loan

WHERE MONTH(issue\_date) = 12 AND YEAR(issue\_date) = 2021



**PMTD Average Interest**

SELECT ROUND(AVG(int\_rate), 4) \* 100 AS PMTD\_Avg\_Int\_Rate FROM bank\_loan

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MoM

(MTD-PMTD)/PMTD = 0.035/3.52%

**Avg DTI**

SELECT ROUND(AVG(dti),4) \* 100 AS Avg\_DTI FROM bank\_loan



**MTD Avg DTI**

SELECT ROUND(AVG(dti),4) \* 100 AS MTD\_Avg\_DTI FROM bank\_loan

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

WHERE MONTH(issue\_date) = 11 AND YEAR(issue\_date) = 2021



MoM

(MTD-PMTD)/PMTD = 0.0278/2.78%

**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



**Good Loan Applications**

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

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

WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current'



**Good Loan Amount Received**

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

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



**Bad Loan Applications**

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

WHERE loan\_status = 'Charged Off'



**Bad Loan Funded Amount**

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

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 Total\_Loan\_Applications,

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

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

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

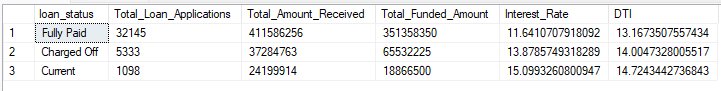
AVG(dti \* 100) AS DTI

FROM

bank\_loan

GROUP BY

loan\_status



SELECT

loan\_status,

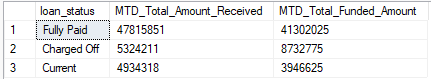
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

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

FROM bank\_loan

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status



1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Munber,

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

COUNT(id) AS Total\_Loan\_Applications,

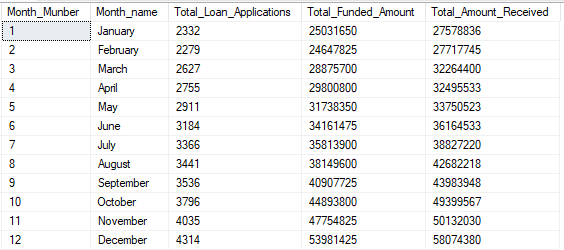
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

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

ORDER BY MONTH(issue\_date)



**STATE**

SELECT

address\_state AS State,

COUNT(id) AS Total\_Loan\_Applications,

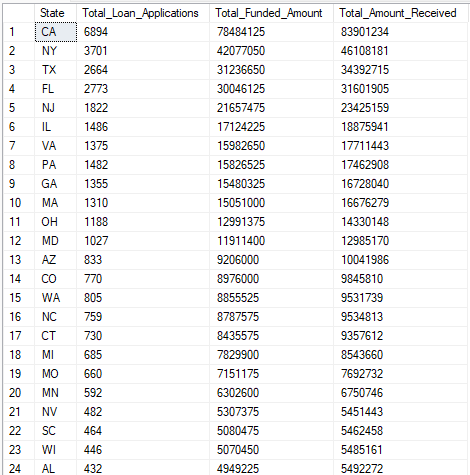
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

GROUP BY address\_state

ORDER BY SUM(loan\_amount) DESC



**TERM**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan

GROUP BY term

ORDER BY term



**EMPLOYEE LENGTH**

SELECT

emp\_length AS Employee\_Length,

COUNT(id) AS Total\_Loan\_Applications,

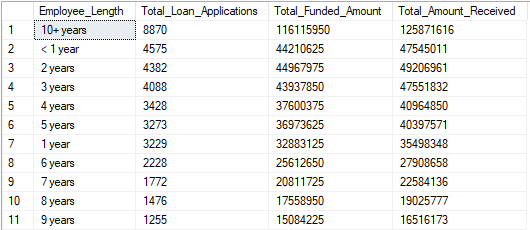
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

GROUP BY emp\_length

ORDER BY COUNT(id) DESC



**PURPOSE**

SELECT

purpose AS PURPOSE,

COUNT(id) AS Total\_Loan\_Applications,

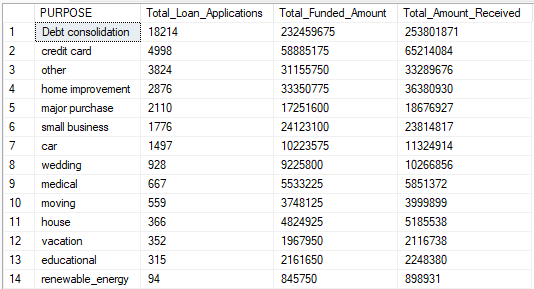
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

GROUP BY purpose

ORDER BY COUNT(id) DESC



**HOME OWNERSHIP**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Applications,

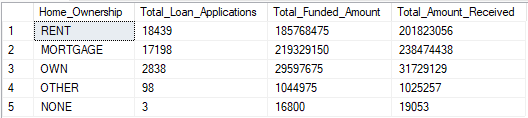
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC



*Using the Grade A in the filters for dashboards*

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

WHERE grade = 'A'

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC

