**BANK LOAN REPORT QUERY DOCUMENT**

# BANK LOAN REPORT | SUMMARY

**KPI’s:**

**Total Loan Applications**

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



**MTD (Month to Date) Loan Applications**

SELECT COUNT(id) AS MTD\_Total\_Loan\_Application

FROM bank\_loan\_data

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



**PMTD (Previous Month to Date) Loan Applications**

SELECT COUNT(id) AS PMTD\_Total\_Loan\_Application

FROM bank\_loan\_data

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



**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\_Loan\_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\_Loan\_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 Average\_Interest\_Rate

FROM bank\_loan\_data

**MTD Average Interest**

SELECT ROUND(AVG(int\_rate),4)\*100 AS MTD\_Average\_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\_Average\_Interest\_Rate

FROM bank\_loan\_data

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



**Average DTI**

SELECT AVG(dti)\*100 AS Average\_DTI FROM bank\_loan\_data



**MTD Average DTI**

SELECT AVG(dti)\*100 AS MTD\_Average\_DTI

FROM bank\_loan\_data

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



**PMTD Average DTI**

SELECT AVG(dti)\*100 AS PMTD\_Average\_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)\*100.0)

/

COUNT(id) AS Good\_Loan\_percentage

FROM bank\_loan\_data



**Good Loan Applications**

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

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



**Good Loan Funded Amount**

SELECT SUM(loan\_amount) AS Total\_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\_Amount\_Received 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\_Application 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\_Received\_Amount FROM bank\_loan\_data

WHERE loan\_status = 'Charged off'



**LOAN STATUS**

SELECT

loan\_status,

COUNT(id) AS Loan\_Count,

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

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

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

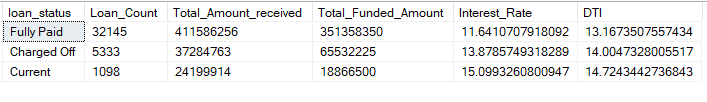
AVG(dti) \* 100 AS DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status



SELECT

loan\_status,

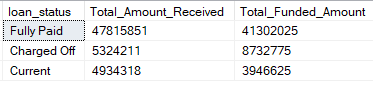
SUM(total\_payment) AS Total\_Amount\_Received,

SUM(loan\_amount) AS 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\_Application,

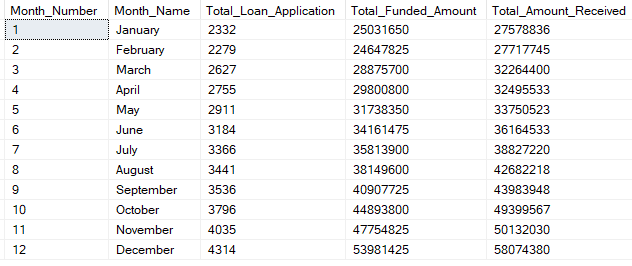
SUM(loan\_amount) AS Total\_Funded\_Amount,

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 AS State,

COUNT(id) AS Total\_Loan\_Application,

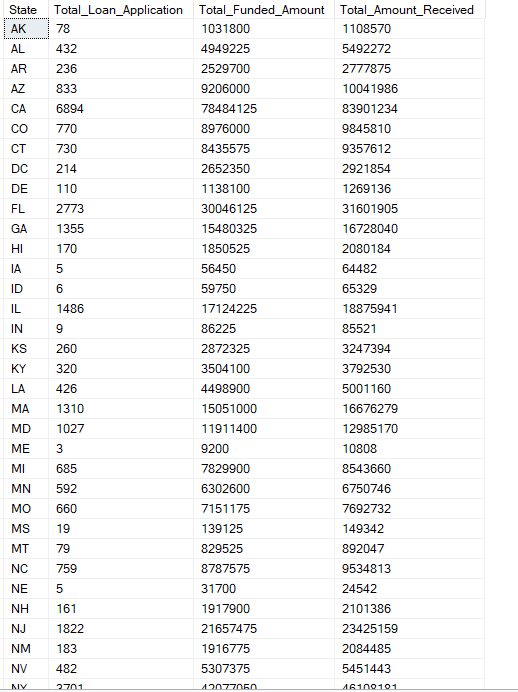
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state



**TERM**

SELECT

term AS Term,

COUNT(id) AS Total\_Loan\_Application,

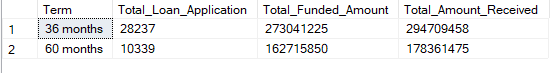
SUM(loan\_amount) AS Total\_Funded\_Amount,

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\_Application,

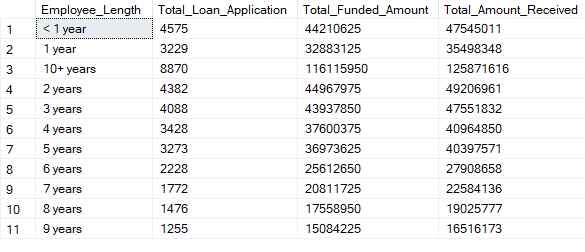
SUM(loan\_amount) AS Total\_Funded\_Amount,

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\_Application,

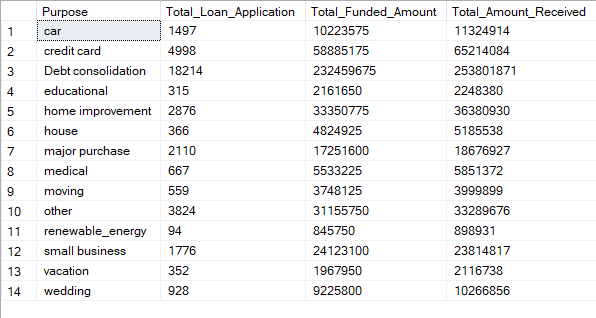
SUM(Loan\_Amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY purpose



**HOME OWNERSHIP**

SELECT

home\_ownership AS Home\_Ownership,

COUNT(id) AS Total\_Loan\_Application,

SUM(Loan\_Amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY home\_ownership

