**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

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



**MTD Loan Applications**

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

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



**PMTD Loan Applications**  
SELECT COUNT(id) AS PMTD\_Total\_Applications 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\_Funded\_Amount from bank\_load\_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 Debt-to-income-Ratio (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\_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) /

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 Total\_Loan\_Applications,

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

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

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

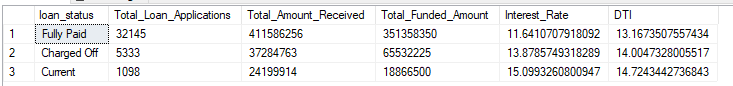
AVG(dti \* 100) AS DTI

FROM

bank\_loan\_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

****

1. **BANK LOAN REPORT | OVERVIEW**

**Monthly Trends by Issue\_Date**

SELECT

MONTH(issue\_date) AS Month\_Number,

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

COUNT(id) AS Total\_Loan\_Applications,

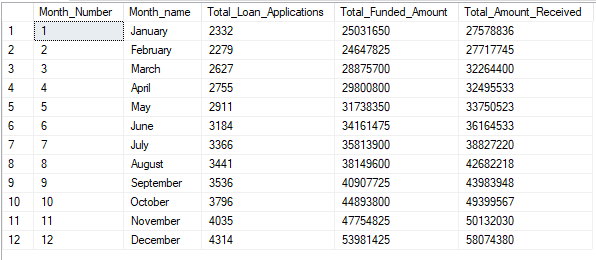
SUM(loan\_amount) AS Total\_Funded\_Amount,

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)

****

**Regional analysis by state**

SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

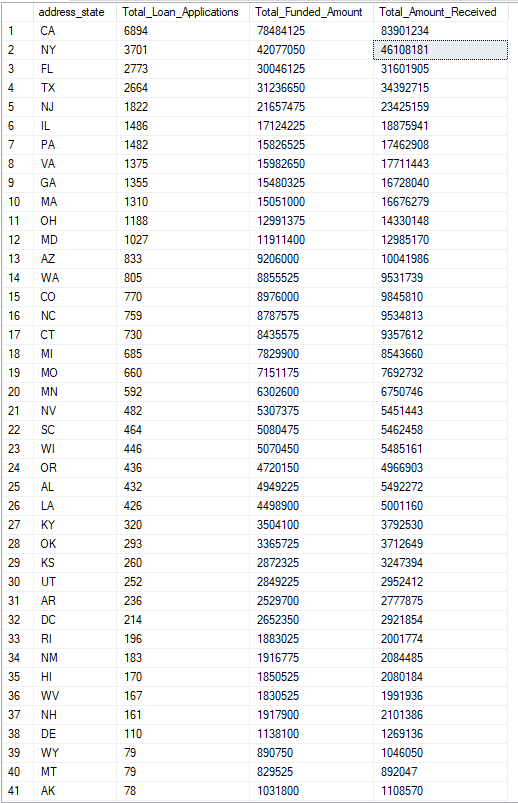
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(id) desc

****

**Loan Term Analysis**

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\_data

GROUP BY term

ORDER BY term

****

**Employee length Analysis**

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

****

**Loan Purpose Breakdown**

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 purpose

****

**HOME OWNERSHIP Analysis**

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 home\_ownership

****