**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 Total\_Applications FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Loan Applications**  
*SELECT COUNT(id) AS Total\_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 Total\_Funded\_Amount FROM bank\_loan\_data*

*WHERE MONTH(issue\_date) = 12*



**PMTD Total Funded Amount**

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

*WHERE MONTH(issue\_date) = 11*

**Total Amount Received**

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



**MTD Total Amount Received**

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

*WHERE MONTH(issue\_date) = 12*



**PMTD Total Amount Received**

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

*WHERE MONTH(issue\_date) = 11*



**Average Interest Rate**

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



**MTD Average Interest**

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

*WHERE MONTH(issue\_date) = 12*



**PMTD Average Interest**

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

*WHERE MONTH(issue\_date) = 11*



**Avg DTI**

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



**MTD Avg DTI**

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

*WHERE MONTH(issue\_date) = 12*



**PMTD Avg DTI**

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

*WHERE MONTH(issue\_date) = 11*



**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\_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) \* 100.0) /*

*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*

****

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\_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\_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 address\_state*

****

**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\_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 purpose*

****

**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 home\_ownership*

****