**Bank Loan Report Query Document**

**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 Loaned Amount**

SELECT

SUM(loan\_amount) AS Total\_Loaned\_Amount

FROM bank\_loan\_data;

****

**MTD Loaned Amount**

SELECT

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;

****

**PMTD Loaned Amount**

SELECT

SUM(loan\_amount) AS PMTD\_Total\_Loaned\_Amount

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;

****

**Total Amount Repaid**

SELECT

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

FROM bank\_loan\_data;

****

**MTD Total Amount Repaid**

SELECT

SUM(total\_payment) AS MTD\_Total\_Amount\_Repaid

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;

****

**PMTD Total Amount Repaid**

SELECT

SUM(total\_payment) AS PMTD\_Total\_Amount\_Repaid

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;

****

**Average Interest Rate**

SELECT

ROUND(AVG(int\_rate)\*100,2) AS Avg\_Interest\_Rate

FROM bank\_loan\_data;

****

**MTD Average Interest Rate**

SELECT

ROUND(AVG(int\_rate)\*100,2) AS MTD\_Avg\_Interest\_Rate

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;

****

**PMTD Average Interest Rate**

SELECT

ROUND(AVG(int\_rate)\*100,2) AS PMTD\_Avg\_Interest\_Rate

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;

****

**Average Debt-to-Income Ratio (DTI)**

SELECT

ROUND(AVG(dti)\*100,2) AS Avg\_DTI

FROM bank\_loan\_data;

****

**Month to Date Average DTI**

SELECT

ROUND(AVG(dti)\*100,2) AS MTD\_Avg\_DTI

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;

****

**Previous Month to Date Average DTI**

SELECT

ROUND(AVG(dti)\*100,2) AS PMTD\_Avg\_DTI

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



**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 Loaned Amount

SELECT

SUM(loan\_amount) AS Good\_Loan\_Loaned\_Amount

FROM bank\_loan\_data

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



Good Loan Amount Repaid

SELECT

SUM(total\_payment) AS Good\_Loan\_Amount\_Repaid

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

FROM bank\_loan\_data;



Bad Loan Applications

SELECT

COUNT(id) AS Bad

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



Bad Loan Loaned Amount

SELECT

SUM(loan\_amount) AS Bad\_Loan\_Loaned\_Amount

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



Bad Loan Amount Repaid

SELECT

SUM(total\_payment) AS Bad\_Loan\_Amount\_Repaid

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

****

**Loan Analysis**

SELECT

loan\_status,

COUNT(id) AS LoanCount,

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

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

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

AVG(dti \* 100) AS DTI

FROM bank\_loan\_data

GROUP BY loan\_status

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SELECT

loan\_status,

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

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status

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