**BANK LOAN REPORT QUERY DOCUMENT**

1. **SUMMARY - BANK LOAN REPORT**

* **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



* **Average DTI:**

SELECT AVG(dti)\*100 AS Avg\_DTI

FROM bank\_loan\_data



* **MTD Average DTI:**

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12



* **PMTD Average 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;

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* **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),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. **OVERVIEW - BANK LOAN REPORT**

* **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

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