# BANK LOAN REPORT

**SUMMARY DASHBOARD**

**Total Loan Applications:**

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



**Month to Date Loan Applications :**

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

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



**Previous Month to Date Applications:**

SELECT COUNT(id) AS PMTD\_Total\_Loan\_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;



**Month to Date Total Funded Amount:**

SELECT SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount FROM bank\_loan\_data

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



**Previous Month to Date 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;



**Month to Date 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;



**Previous Month to Date 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)\*100,2) AS Avg\_Interest\_Rate FROM bank\_loan\_data;



**Month to Date Average Interest Rate:**

SELECT ROUND(AVG(int\_rate)\*100,2) AS MTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

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



**Previous Month to Date Average Interest Rate:**

SELECT ROUND(AVG(int\_rate)\*100,2) AS PMTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

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



**Average 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 AND YEAR(issue\_date) = 2021;



**Previous Month to Date Average DTI:**

SELECT ROUND(AVG(dti)\*100,2) AS PMTD\_Avg\_DTI FROM bank\_loan\_data

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



**GOOD LOANS**

**Good Loan Percentage:**

SELECT

(COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status='Current' THEN id END)\*100.0)

/

COUNT(id) as Per\_Good\_Loan

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 IN ('Fully Paid','Current');



**Good Loan Total Amount Received:**

SELECT SUM(total\_payment) AS Good\_Loan\_Amount\_Received FROM bank\_loan\_data

WHERE loan\_status IN ('Fully Paid','Current');



**BAD LOANS**

**Bad Loan Percentage:**

SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END)\*100.0)

/

COUNT(id) as Per\_Bad\_Loan

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 Total Amount Received:**

SELECT SUM(total\_payment) AS Bad\_Loan\_Amount\_Received FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



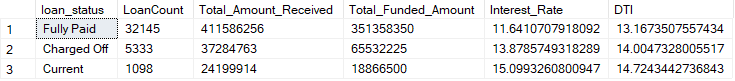
**Grid Views:**

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,

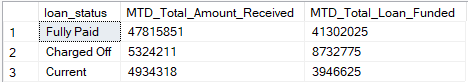
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

SUM(loan\_amount) AS MTD\_Total\_Loan\_Funded

FROM bank\_loan\_data

WHERE MONTH(issue\_date)=12

GROUP BY loan\_status;



**OVERVIEW DASHBOARD**

**Monthly Trends:**

SELECT Month(issue\_date) AS Month\_Number,

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

COUNT(id) AS Total\_Loan\_Applications,

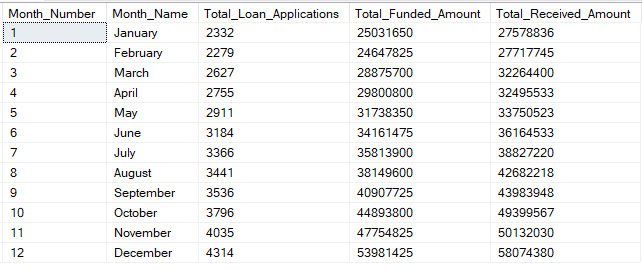
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY DATENAME(MONTH,issue\_date),Month(issue\_date)

ORDER BY Month(issue\_date);



Regional Trends:

SELECT address\_state,

COUNT(id) AS Total\_Loan\_Applications,

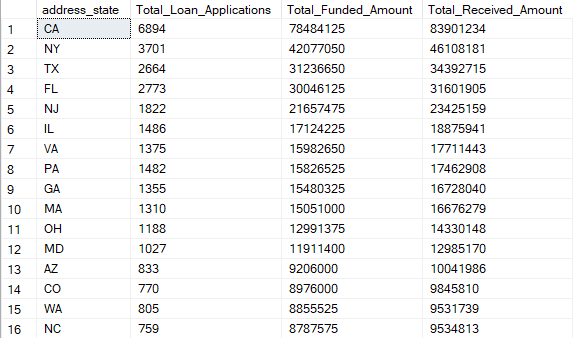
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY SUM(loan\_amount)DESC;



Loan Term Trends:

SELECT term,

COUNT(id) AS Total\_Loan\_Applications,

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

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

FROM bank\_loan\_data

GROUP BY term

ORDER BY term;



EMPLOYEE LENGTH TRENDS:

SELECT emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

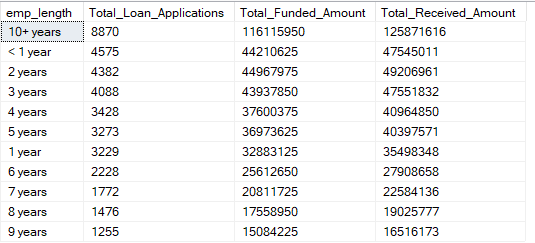
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY COUNT(id) DESC;



**PURPOSE TRENDS:**

**SELECT purpose,**

COUNT(id) AS Total\_Loan\_Applications,

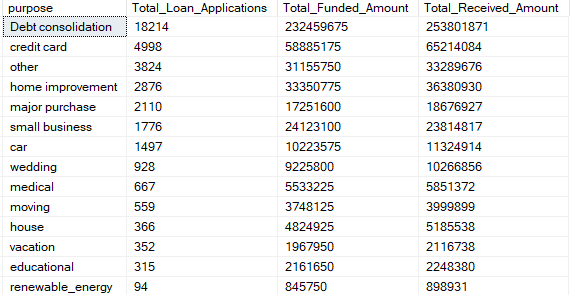
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC;



**House Ownership Trends:**

SELECT home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

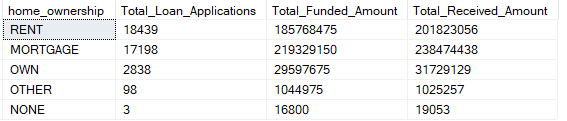
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC;



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