## **Total Loan Application**

SELECT COUNT(DISTINCT(id)) FROM bank\_loan\_data;



SELECT COUNT(id) as Decemeber\_MoM FROM bank\_loan\_data

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



SELECT COUNT(id) as Loan\_Application\_PMTD 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;



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

WHERE MONTH(issue\_date) = 12;



SELECT SUM(loan\_amount) as Total\_Funded\_Amount\_PMTD

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



## **Total Amount Received**

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

FROM bank\_loan\_data;



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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



## **Average Interest Rate**

\*100 to get it in percentage

SELECT ROUND(AVG(int\_rate),4) as Average\_Interest\_Rate

FROM bank\_loan\_data;



SELECT ROUND(AVG(int\_rate),4) as Average\_Interest\_Rate\_MTD

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



SELECT ROUND(AVG(int\_rate),4) as Average\_Interest\_Rate\_PMTD

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



## **Average DTI**

SELECT ROUND(AVG(dti),4) as Average\_DTI

FROM bank\_loan\_data;



SELECT ROUND(AVG(dti),4) as Avg\_DTI\_MTD

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12;



SELECT ROUND(AVG(dti),4) as Avg\_DTI\_PMTD

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11;



## **Good Loans**

SELECT COUNT(id) AS good\_loans

FROM bank\_loan\_data

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



SELECT

(COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END)\*100)

/COUNT(id) as good\_loan\_perc

FROM bank\_loan\_data;



SELECT SUM(loan\_amount) AS good\_loan\_fund\_amount

FROM bank\_loan\_data

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



SELECT SUM(total\_payment) AS good\_loan\_payment\_amount

FROM bank\_loan\_data

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



## **Bad Loan**

SELECT COUNT(id) as bad\_loan\_count FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



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

/

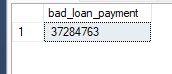
COUNT(id) as bad\_loan\_percentage

FROM bank\_loan\_data;



SELECT SUM(total\_payment) as bad\_loan\_payment FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



**Loan Status Grid**

SELECT loan\_status,

COUNT(id) as loan\_count,

SUM(loan\_amount) as loan\_amount\_funded,

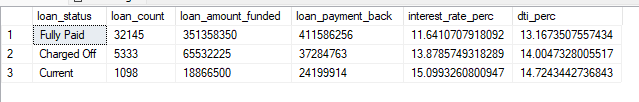
SUM(total\_payment) as loan\_payment\_back,

AVG(int\_rate)\*100 as interest\_rate\_perc,

AVG(dti)\*100 as dti\_perc

FROM bank\_loan\_data

GROUP BY loan\_status;



## **Monthly Trends by Issue Date**

SELECT MONTH(issue\_date) as monthly\_trend,

COUNT(id) as Total\_Loan\_Count,

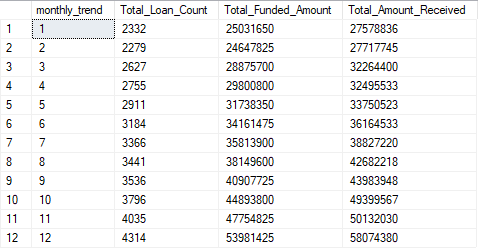
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY MONTH(issue\_date)

ORDER BY monthly\_trend;



## **Regional Analysis by State**

SELECT address\_state as State\_Name,

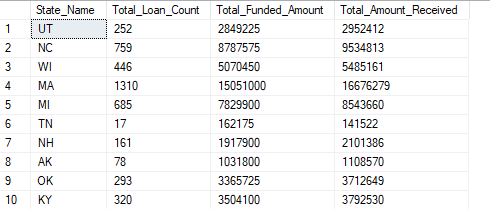
COUNT(id) as Total\_Loan\_Count,

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

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

FROM bank\_loan\_data

GROUP BY address\_state;



## **Loan Term Analysis**

SELECT term as Loan\_Duration,

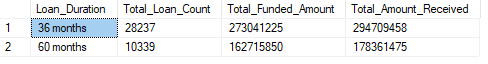
COUNT(id) as Total\_Loan\_Count,

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

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

FROM bank\_loan\_data

GROUP BY term;



## **Employment Term Analysis**

SELECT emp\_length as Employment\_Duration,

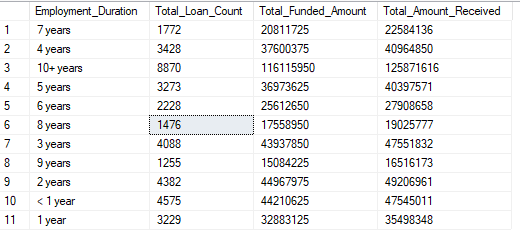
COUNT(id) as Total\_Loan\_Count,

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

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

FROM bank\_loan\_data

GROUP BY emp\_length;



## **Loan Purpose Breakdown**

SELECT purpose,

COUNT(id) as Total\_Loan\_Count,

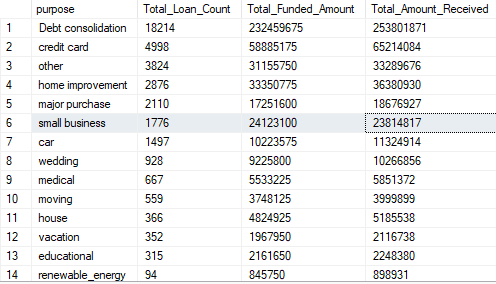
SUM(loan\_amount) as Total\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC;



## **Home ownership analysis**

SELECT home\_ownership,

COUNT(id) as Total\_Loan\_Count,

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

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

FROM bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC;

