Queries Used:

**Total Loan Applications:**

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

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**MTD Total Loan Applications:**

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

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



**Total Funded Amount:**

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



**Total Amound Received:**

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

****

**MTD 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

****

**PMTD 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



**AVG Interest Rate:**

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

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**MTD & PMTD AVG Interest Rate:**

SELECT ROUND (AVG(int\_rate), 4) \* 100 AS MTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

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



SELECT ROUND (AVG(int\_rate), 4) \* 100 AS PMTD\_Avg\_Interest\_Rate FROM bank\_loan\_data

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

****

**AVG Debt to Income:**

SELECT ROUND (AVG(dti),4) \* 100 AS Avg\_DTI FROM bank\_loan\_data

****

**MTD & PMTD AVG DTI:**

SELECT ROUND (AVG(dti),4) \* 100 AS Avg\_DTI FROM bank\_loan\_data

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

****

SELECT ROUND (AVG(dti),4) \* 100 AS PMTD\_Avg\_DTI FROM bank\_loan\_data

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

****

**Good Loan Percentage:**

SELECT

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

/

COUNT(id) AS Good\_Loan\_Percentage

FROM bank\_loan\_data



**Number of 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 Paid Amount:**

SELECT SUM(total\_payment) AS Good\_Loan\_Total\_Payment FROM bank\_loan\_data

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



**Bad Loan Percentage:**

SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END)\* 100)

/

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 Amount:**

SELECT SUM(loan\_amount) AS Bad\_Loan\_Amount FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

****

**Bad Loan Received Amount:**

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

WHERE loan\_status = 'Charged Off'

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**Loan Status Grid View:**

-- 1. Overal Loan Status Summary

SELECT

loan\_status,

COUNT(id) AS Total\_Loan\_Applications,

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

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

ROUND (AVG(int\_rate),4)\*100 AS Average\_Interest\_Rate,

AVG(dti) AS Average\_DTI

FROM bank\_loan\_data

GROUP BY loan\_status;

-- 2. December Only Summary

SELECT

loan\_status,

SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount,

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status;

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**Dashboard Overview:**

**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\_Loan\_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)

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**Regional Analysis:**

SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY address\_state

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SELECT

address\_state,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(ID) DESC

**A table with numbers and a number on it

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**Loan Term Analysis:**

SELECT

term,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY term

ORDER BY term

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**Employee Length Analysis:**

SELECT

emp\_length,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY emp\_length

ORDER BY emp\_length

**A table with numbers and text

AI-generated content may be incorrect.**

**Loan Purpose Analysis:**

SELECT

purpose,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_Funded\_Amount,

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

FROM bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC

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**Home Ownership Analysis:**

SELECT

home\_ownership,

COUNT(id) AS Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Loan\_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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