# BANK LOAN REPORT QUERY DOCUMENT

## BANK LOAN REPORT | SUMMARY

KPI’s:

**Total Loan Applications**

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



Latest Month Loan Applications

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

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



Second last Loan Applications

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

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



Total Funded Amount

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



MTD Total Funded Amount

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

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



SELECT SUM(loan\_amount) as PMTD\_Total\_Funded\_Amount FROM bank\_loan

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



Total Amount Received

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



MTD Total Amount received

SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_received FROM bank\_loan

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



PMTD Amount Received



Average Interest Rate (In percentage)

SELECT ROUND(AVG(int\_rate)\*100,2) as Average\_Interest\_Rate FROM bank\_loan



SELECT ROUND(AVG(int\_rate)\*100,2) as MTD\_Average\_Interest\_Rate FROM bank\_loan

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



SELECT ROUND(AVG(int\_rate)\*100,2) as PMTD\_Average\_Interest\_Rate FROM bank\_loan

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



SELECT ROUND(AVG(dti)\*100,2) as Average\_DTI FROM bank\_loan



SELECT ROUND(AVG(dti)\*100,2) as MTD\_Average\_DTI FROM bank\_loan

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



SELECT ROUND(AVG(dti)\*100,2) as PMTD\_Average\_DTI FROM bank\_loan

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



Good Loan Percentage

SELECT

(CAST(COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'CURRENT' THEN id END) AS float) \*100)

/

COUNT(id)

AS Good\_loan\_percentage

FROM bank\_loan



Number of Good Loan Applications

SELECT COUNT(id) as Good\_Loan\_Applications FROM bank\_loan

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



Good Loan Funded Amount

SELECT SUM(loan\_amount) as Good\_Loan\_Funded\_Amount FROM bank\_loan

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



Good Loan Received Amount

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

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



**BAD LOAN ASSESSMENT**

SELECT

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

/

COUNT(id))

AS Bad\_Loan\_Percentage

FROM bank\_loan

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

WHERE loan\_status = 'Charged Off'

****

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

WHERE loan\_status = 'Charged Off'

****

SELECT

loan\_status,

COUNT(id) AS Total\_Loan\_Applications,

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

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

ROUND(AVG(int\_rate)\*100,2) as Interest\_Rate,

ROUND(AVG(dti\*100),2) as DTI

FROM

bank\_loan

GROUP BY

loan\_status

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SELECT

MONTH(issue\_date) as Month\_Number,

DATENAME(MONTH, issue\_date) as Application\_Month,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

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

ORDER BY MONTH(issue\_date)

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SELECT

address\_state,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

GROUP BY address\_state

ORDER BY SUM(loan\_amount) DESC

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**Group By Term**

SELECT

term,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

GROUP BY term

ORDER BY term

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**Total Loan Application by emp\_length**

SELECT

emp\_length,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

GROUP BY emp\_length

ORDER BY count(id) DESC

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**Category by Purpose**

SELECT

purpose,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

GROUP BY purpose

ORDER BY count(id) DESC

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**Category By Home Application**

SELECT

home\_ownership,

COUNT(id) as Total\_Loan\_Applications,

SUM(loan\_amount) AS Total\_Funded,

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

FROM bank\_loan

GROUP BY home\_ownership

ORDER BY count(id) DESC

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