**BANK LOAN REPORT QUERY DOCUMENT**

**BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

SELECT COUNT(id) AS Total\_Applications

FROM bank\_loan\_data



**MTD Loan Applications**

SELECT

COUNT(id) AS MTD\_Total\_Applications

FROM bank\_loan\_data

WHERE

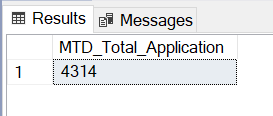
MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date))

FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date))

FROM bank\_loan\_data)



**PMTD Loan Applications**  
SELECT

COUNT(id) AS PM\_Total\_Application

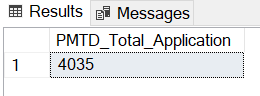
FROM bank\_loan\_data

WHERE

MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data) - 1

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**MOM Loan Applications**

WITH MTD AS

(

SELECT

COUNT(id) AS MTD\_Total\_Application

FROM bank\_loan\_data

WHERE

MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)

),

PMTD AS

(

SELECT

COUNT(id) AS PMTD\_Total\_Application

FROM bank\_loan\_data

WHERE

MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data) - 1

AND

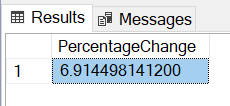
YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)

)

SELECT

((MTD.MTD\_Total\_Application - PMTD.PMTD\_Total\_Application) \* 1.0 / NULLIF(PMTD.PMTD\_Total\_Application, 0)) \* 100 AS PercentageChange

FROM MTD, PMTD;



**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) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**PMTD Total Funded Amount**

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)-1

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**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) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**PMTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)-1

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**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) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**PMTD Average Interest**

SELECT AVG(int\_rate)\*100 AS PMTD\_Avg\_Int\_Rate FROM bank\_loan\_data

WHERE MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)-1

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**Avg DTI**

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

FROM bank\_loan\_data



**MTD Avg DTI**

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**PMTD Avg DTI**

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

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)-1

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)



**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;

****

**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) 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\_Funded\_Amount

FROM

bank\_loan\_data

WHERE

MONTH(issue\_date) = (SELECT MAX(MONTH(issue\_date)) FROM bank\_loan\_data)

AND

YEAR(issue\_date) = (SELECT MAX(YEAR(issue\_date)) FROM bank\_loan\_data)

GROUP BY loan\_status;

****

**BANK LOAN REPORT | OVERVIEW**

**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

****