1. Bank Loan Report | SUMMARY

KPI’s:

Total Loan Applications

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

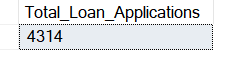
A screen shot of a computer

Description automatically generated

MTD Loan Applications

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

WHERE MONTH(issue\_date) = 12



PMTD Loan Applications

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

WHERE MONTH(issue\_date) = 11

A close up of a text

Description automatically generated

Total Funded Amount

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

A close-up of a number

Description automatically generated

MTD Total Funded Amount

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

WHERE MONTH(issue\_date) = 12

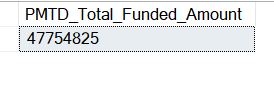
A close-up of a receipt

Description automatically generated

PMTD Total Funded Amount

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

WHERE MONTH(issue\_date) = 11



Total Amount Received

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

A close up of a number

Description automatically generated

MTD Total Amount Recevied

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

WHERE MONTH(issue\_date) = 12

A close-up of a receipt

Description automatically generated

PMTD Total Amount Received

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

WHERE MONTH(issue\_date) = 11

A white rectangular object with black text

Description automatically generated

Average Interest Rate

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

A close up of a box

Description automatically generated

MTD Average Interest Rate

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

WHERE MONTH(issue\_date) = 12

A screenshot of a computer

Description automatically generated

PMTD Average Interest Rate

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

WHERE MONTH(issue\_date) = 11

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Description automatically generated

Average Debt-to-income Ratio (DRI)

SELECT AVG(dti)\*100 AS Avg\_dti FROM bank\_loan\_data

A close-up of a number

Description automatically generated

MTD Average Debt-to-income Ratio (DRI)

SELECT AVG(dti)\*100 AS MTD\_Avg\_dti FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

A close-up of a number

Description automatically generated

PMTD Average Debt-to-income Ratio (DRI)

SELECT AVG(dti)\*100 AS PMTD\_Avg\_dti FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 11

A close-up of a number

Description automatically generated

Good Loan Issued

Good Loan Application 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

A close-up of a credit card

Description automatically generated

GOOD Loan Applications

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

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

A computer screen shot of a computer screen

Description automatically generated

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'

A close-up of a check

Description automatically generated

Good Loan Total Received Amount

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

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

A screen shot of a computer screen

Description automatically generated

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

A screen shot of a computer

Description automatically generated

Bad Loan Applications

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

WHERE loan\_status = 'Charged Off'

A close-up of a computer screen

Description automatically generated

Bad Loan Funded Amount

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

WHERE loan\_status = 'Charged Off'

A close-up of a computer screen

Description automatically generated

Bad Loan Amount Received

SELECT SUM(total\_payment) AS Bad\_Loan\_amount\_received FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off'

A screenshot of a computer

Description automatically generated

LOAN STATUS

SELECT

loan\_status,

COUNT(id) AS Total\_Loan\_Applications,

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

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

AVG(int\_rate) AS Interest\_Rate,

AVG(dti \* 100) AS DTI

FROM bank\_loan\_data

GROUP BY loan\_status

A screenshot of a computer

Description automatically generated

MTD 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) = 12

GROUP BY loan\_status

A screen shot of a message

Description automatically generated

B. Bank Loan Report | Overview

MONTH

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\_Amount\_Received

FROM bank\_loan\_data

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

ORDER BY MONTH(issue\_date)

A screenshot of a computer

Description automatically generated

**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

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Description automatically generated

**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

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Description automatically generated

**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

A screenshot of a table

Description automatically generated

**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

A screenshot of a data

Description automatically generated

**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

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Description automatically generated