Bank Loan Report : Query Document

Bank Loan data

KPI’s

Total Loan Applications

SELECT COUNT(Id) as Toal\_loan\_applications

FROM Bank\_loan\_data;



MTD Total Loan Applications (MTD : Month – to – Date)

SELECT COUNT(Id) as MTD\_loan\_applications

FROM bank\_loan\_data

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



PMTD Total Laon Applications (PMTD : Previous Month – to – Date)

SELECT COUNT(Id) as PMTD\_loan\_applications

FROM bank\_loan\_data

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



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Total Funded Amount

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

FROM bank\_loan\_data;



MDT Funded Amount

SELECT SUM(loan\_amount) as MTD\_Funded\_Amount

FROM bank\_loan\_data

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



PMDT Funded Amount

SELECT SUM(loan\_amount) as PMTD\_Funded\_Amount

FROM bank\_loan\_data

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



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Total Received Amount

SELECT SUM(total\_payment) as Total\_received\_amount

FROM bank\_loan\_data;



MTD Total Received Amount

SELECT SUM(total\_payment) as MTD\_Total\_received\_amount

FROM bank\_loan\_data

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



PMTD Total Received Amount

SELECT SUM(total\_payment) as PMTD\_Total\_received\_amount

FROM bank\_loan\_data

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



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Average Interest Rate

SELECT ROUND(AVG(int\_rate),4) \* 100 as Avg\_Interest\_Rate

FROM bank\_loan\_data;



MTD Interest Rate

SELECT ROUND(AVG(int\_rate),4) \* 100 MTD\_Interest\_Rate

FROM bank\_loan\_data

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



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Average DTI

SELECT ROUND(AVG(dti),4) \* 100 as Avg\_DTI

FROM bank\_loan\_data;



MTD Average DTI

SELECT ROUND(AVG(dti),4) \* 100 as MTD\_Avg\_DTI

FROM bank\_loan\_data

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



PMTD Average DTI

SELECT ROUND(AVG(dti),4) \* 100 as PMTD\_Avg\_DTI

FROM bank\_loan\_data

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



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Good Loan Issued

Good Loan Percentage

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

/ COUNT(id) as Good\_laon\_Percentage

FROM bank\_loan\_data;



Good Loan Applications

SELECT COUNT(id) as Total\_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 in ('Fully Paid','Current');



Good Loan Amount Received

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

FROM bank\_loan\_data

WHERE loan\_status in ('Fully Paid','Current');



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Bad Loans Issued

Bad Loan Percentage

SELECT ROUND((COUNT(CASE WHEN loan\_status ='Charged Off' THEN id

END) \* 100),4)/ 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';

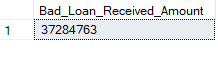


Bad Loan Received Amount

SELECT SUM(total\_payment) as Bad\_Loan\_Received\_Amount

FROM bank\_loan\_data

WHERE loan\_status = 'Charged Off';



Loan Status

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),4) \* 100 as Interest\_Rate,

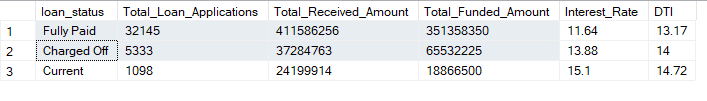
ROUND(AVG(dti),4) \* 100 as DTI

FROM

bank\_loan\_data

GROUP BY

loan\_status;



MTD Loan Status

SELECT

loan\_status,

COUNT(id) as MTD\_Total\_Loan\_Applications,

SUM(total\_payment) as MTD\_Total\_Received\_Amount,

SUM(loan\_amount) as MTD\_Total\_Funded\_Amount

FROM

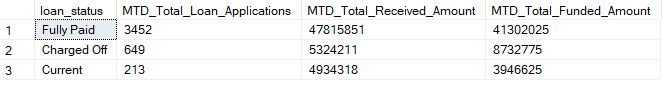
bank\_loan\_data

WHERE

MONTH(issue\_date) = 12

GROUP BY

loan\_status;



Monthly trend By Issue Date

SELECT

MONTH(issue\_date) as Month\_Number,

DATENAME(MONTH,issue\_date) as Month\_Name,

COUNT(id) as Total\_Loan\_application,

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

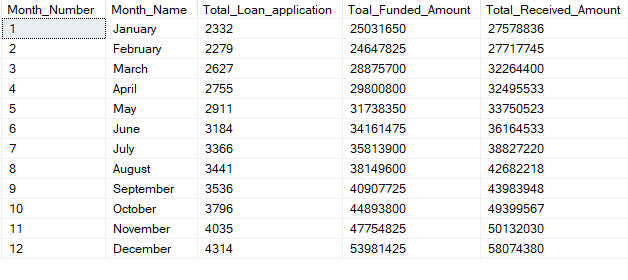
SUM(total\_payment) as Total\_Received\_Amount

FROM

bank\_loan\_data

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

ORDER BY MONTH(issue\_date);



Regional Trend Analysis

SELECT

address\_state,

COUNT(id) as Total\_Loan\_Application,

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

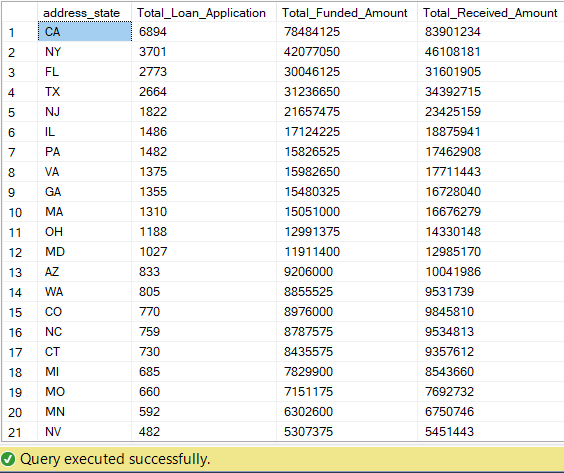
SUM(total\_payment) as Total\_Received\_Amount

FROM

bank\_loan\_data

GROUP BY address\_state

ORDER BY COUNT(id) DESC;



Loan Term Analysis

SELECT

term,

COUNT(id) as Total\_Loan\_Application,

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

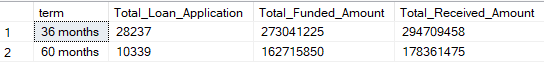
SUM(total\_payment) as Total\_Received\_Amount

FROM

bank\_loan\_data

GROUP BY term

ORDER BY term;



Employee length Analysis

SELECT

emp\_length,

COUNT(id) as Toal\_loan\_applications,

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

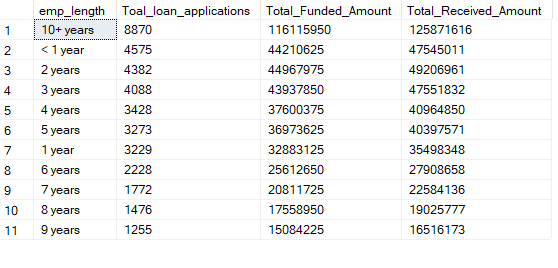
SUM(total\_payment) as Total\_Received\_Amount

FROM

bank\_loan\_data

GROUP BY emp\_length

ORDER BY COUNT(id) DESC;



Loan Purpose Breakdown

SELECT

purpose,

COUNT(id) as Toal\_loan\_applications,

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

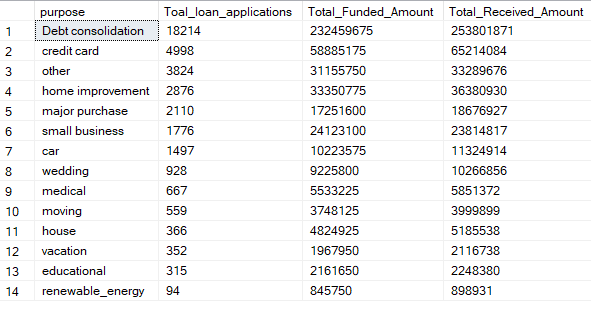
SUM(total\_payment) as Total\_Received\_Amount

FROM

bank\_loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC;



Home Ownership Analysis

SELECT

home\_ownership,

COUNT(id) as Toal\_loan\_applications,

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

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

FROM

bank\_loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC;

