**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’S:**

**Total Loan Applications**

select count(id)as Total\_Loan\_Applications

from Bank\_loan\_Data

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**MTD Loan Applications**

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

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

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**PMTD Loan Applications**

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

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



**Total Funded Amount**

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



**MTD Total Funded Amount**

select sum(loan\_amount) as MTD\_Total\_Funded\_amount

from Bank\_loan\_Data

where month(issue\_date) = 12 and year(issue\_date)=2021

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**PMTD Total Funded Amount**

select sum(loan\_amount) as PMTD\_Total\_Funded\_amount

from Bank\_loan\_Data

where month(issue\_date) = 11 and year(issue\_date)=2021



**Total Amount Received**

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



**Average Interest Rate**

select cast(avg(int\_rate)\*100 as decimal(10,2)) as Average\_interest\_Rate

from Bank\_loan\_Data

select round(avg(int\_rate),4)\*100 as Average\_interest\_Rate

from Bank\_loan\_Data – 2 different ways to don decimals with the same result.



**MTD Average Interest**

select round(avg(int\_rate),4)\*100 as MTD\_Average\_interest\_Rate

from Bank\_loan\_Data

where month(issue\_date)=12 and year(issue\_date)=2021



**PMTD Average Interest**

select round(avg(int\_rate),4)\*100 as PMTD\_Average\_interest\_Rate

from Bank\_loan\_Data

where month(issue\_date)=11 and year(issue\_date)=2021



**Avg Debt-To-Income**

select round(avg(dti)\*100,2) as Average\_DTI

from Bank\_loan\_Data

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**MTD Avg DTI**

select round(avg(dti)\*100,2) as MTD\_Average\_DTI

from Bank\_loan\_Data

where month(issue\_date)=12 and year(issue\_date)=2021



**PMTD Avg DTI**

select round(avg(dti)\*100,3) as PMTD\_Average\_DTI

from Bank\_loan\_Data

where month(issue\_date)=11 and year(issue\_date)=2021



**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\_Loan\_Percentage

FROM Bank\_loan\_Data



**Good Loan Applications**

select count(id) as Successfull\_loan\_Applications from Bank\_loan\_Data

where loan\_status = 'Fully Paid' or loan\_status = 'Current'

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**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 Total\_Loan\_Applications

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

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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

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1. **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)

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**STATE**

select

address\_state,

count(id) as Total\_Loan\_Applications,

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

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

from Bank\_loan\_Data

group by address\_state

order by sum(loan\_amount) desc

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**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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**EMPLOYEE LENGTH**

select

emp\_length,

count(id) as Total\_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 emp\_length

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**PURPOSE**

select

purpose,

count(id) as Total\_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

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**HOME OWNERSHIP**

select

home\_ownership,

count(id) as Total\_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

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