## BANK LOAN REPORT QUERY DOCUMENT

1. BANK LOAN REPORT | SUMMARY

KPI’s :

1. **TOTAL LOAN APPLICATIONS**

select count(id) as Total\_Number\_Application From bank\_loan\_data



**TOTAL NO OF LOAN APPLICATIONS MONTH TO DATE(MTD)**

select count(id) as MTD\_Total\_Loan\_Application From bank\_loan\_data

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



**TOTAL NO OF LOAN APPLICATIONS MONTH ON MONTH(MOM)**

**(MOM = MTD - PMTD/PMTD MTD)**

**PMTD –**

****

1. **TOTAL FUNDED AMOUNT**

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

from bank\_loan\_db.bank\_loan\_data;

****

**-- MTD TOTAL FUNDED AMOUNT**

select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 12 and year(issue\_date) = 2021;

****

**-- PMTD TOTAL FUNDED AMOUNT**

select sum(loan\_amount) as MTD\_Total\_Funded\_Amount from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 11 and year(issue\_date) = 2021;

****

1. **TOTAL AMOUNT RECEIVED**

select sum(total\_payment) as Total\_Amount\_Received from bank\_loan\_db.bank\_loan\_data;

****

**-- MTD TOTAL AMOUNT RECEIVED**

select sum(total\_payment) as Total\_Amount\_Received from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 12 and year(issue\_date) = 2021;

****

**-- PMTD TOTAL AMOUNT RECEIVED**

select sum(total\_payment) as Total\_Amount\_Received from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 11 and year(issue\_date) = 2021;

****

1. **AVERAGE INTEREST RATE**

select Avg(int\_rate) \* 100 as Average\_Intrest\_Rate from bank\_loan\_db.bank\_loan\_data;

****

**-- MTD AVERAGE INTEREST RATE**

select Avg(int\_rate) \* 100 as MTD\_Average\_Intrest\_Rate from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 12 and year(issue\_date) = 2021;

****

**-- PMTD AVERAGE INTEREST RATE**

select Avg(int\_rate) \* 100 as PMTD\_Average\_Intrest\_Rate from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 11 and year(issue\_date) = 2021;

****

1. **AVERAGE DEBT-TO-INCOME RATIO (DTI)**

select Avg(dti) \* 100 as Average\_DTI from bank\_loan\_db.bank\_loan\_data;

****

**-- MTD AVERAGE DEBT-TO-INCOME RATIO (DTI)**

select Avg(dti) \* 100 as MTD\_Average\_DTI from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 12 and year(issue\_date) = 2021;

****

**-- PMTD AVERAGE DEBT-TO-INCOME RATIO (DTI)**

select Avg(dti) \* 100 as PMTD\_Average\_DTI from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 11 and year(issue\_date) = 2021;

****

**Good Loan v Bad Loan KPI’s**

**Good Loan KPIs:**

**-- GOOD LOAN APPLICATION 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\_db.bank\_loan\_data;

****

**-- GOOD LOAN APPLICATIONS**

select Count(id) as Good\_Loan\_Application from bank\_loan\_db.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\_db.bank\_loan\_data

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

****

**-- GOOD LOAN TOTAL RECEIVED AMOUNT**

select sum(total\_payment) as Good\_Loan\_Total\_Received\_Amount from bank\_loan\_db.bank\_loan\_data

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

****

**Bad Loan KPIs:**

**-- BAD LOAN APPLICATION PERCENTAGE**

select (count(Case when loan\_status = 'Charged Off' Then id END) \*100) / Count(id)

as Good\_Loan\_Percentage

from bank\_loan\_db.bank\_loan\_data;

****

**-- BAD LOAN APPLICATIONS**

select Count(id) as Good\_Loan\_Application from bank\_loan\_db.bank\_loan\_data

where loan\_status = 'Charged Off';

****

**-- BAD LOAN FUNDED AMOUNT**

select sum(loan\_amount) as Bad\_Loan\_Funded\_Amount from bank\_loan\_db.bank\_loan\_data

where loan\_status = 'Charged Off';

****

**-- BAD LOAN TOTAL RECEIVED AMOUNT**

select sum(total\_payment) as Bad\_Loan\_Total\_Received\_Amount from bank\_loan\_db.bank\_loan\_data

where loan\_status = 'Charged Off';

****

**Loan Status Grid View**

select

loan\_status,

count(id) as Total\_Loan\_Applications,

Sum(total\_payment) as Total\_Amount\_Recived,

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

avg(int\_rate) \* 100 as Average\_Intrest\_Rate,

avg(dti) \* 100 as Average\_DTI

from bank\_loan\_db.bank\_loan\_data

group by loan\_status;

**A screenshot of a computer

AI-generated content may be incorrect.**

**-- MTD**

select

loan\_status,

sum(loan\_amount) as MTD\_Total\_Funded\_Amount,

Sum(total\_payment) as MTD\_Total\_Amount\_Recived

from bank\_loan\_db.bank\_loan\_data

where Month(issue\_date) = 12

group by loan\_status;

**A screenshot of a computer

AI-generated content may be incorrect.**

**DASHBOARD 2: OVERVIEW**

**-- MONTHLY TRENDS BY ISSUE DATE**

select

month(issue\_date) as Month\_Number,

Monthname(issue\_date) as Month\_Name,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by Monthname(issue\_date), month(issue\_date)

order by month(issue\_date);

**A screenshot of a computer

AI-generated content may be incorrect.**

**-- REGIONAL ANALYSIS BY STATE**

select

address\_state as State,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by address\_state

order by address\_state asc;

**A screenshot of a computer

AI-generated content may be incorrect.**

**-- LOAN TERM ANALYSIS**

select

term,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by term

order by term ;

**A screenshot of a computer

AI-generated content may be incorrect.**

**-- EMPLOYEE LENGTH ANALYSIS**

select

emp\_length,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by emp\_length

order by emp\_length ;

**A screenshot of a computer

AI-generated content may be incorrect.**

**-- LOAN PURPOSE BREAKDOWN**

select

purpose,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by purpose

order by purpose asc;

**A screenshot of a data

AI-generated content may be incorrect.**

**-- HOME OWNERSHIP ANALYSIS**

select

home\_ownership,

count(id) as Total\_Loan\_Application,

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

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

FROM bank\_loan\_data

group by home\_ownership

order by home\_ownership ;

**A screenshot of a computer

AI-generated content may be incorrect.**