Bank Loan Report Query Document

KPI’s

Total Loan Application

select count(id) as Total\_applications from financial\_loan



Month to date loan applications

select count(id) as MTD\_Total\_applications from financial\_loan

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



select count(id) as PMTD\_Total\_applications from financial\_loan

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



Total Funded Amount

select sum(loan\_amount) as Total\_funded\_amount from financial\_loan



MTD\_Total\_funded\_amount

select sum(loan\_amount) as MTD\_Total\_funded\_amount from financial\_loan

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



select sum(loan\_amount) as PMTD\_Total\_funded\_amount from financial\_loan

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



Total Received amount

select sum(total\_payment) as Total\_amount\_received from financial\_loan



select sum(total\_payment) as MTD\_Total\_amount\_received from financial\_loan

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



select sum(total\_payment) as PMTD\_amount\_received from financial\_loan

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



Interest Rate

select round(AVG (int\_rate), 4)\*100 as Avg\_Interest\_rate from financial\_loan



select Round(avg (int\_rate), 4) \*100 as MTD\_AVG\_Interest\_rate from financial\_loan

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



select round(Avg (int\_rate), 4) \*100 as PMTD\_Avg\_Interest\_rate from financial\_loan

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



Debt

select round(Avg(dti), 4)\*100 as Avg\_dti from financial\_loan



select round(Avg(dti), 4)\*100 as MTD\_Avg\_dti from financial\_loan

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



select round(Avg(dti), 4)\*100 as PMTD\_Avg\_dti from financial\_loan

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



--- Problem statement -- Good loan Bad Loan , Dashboard - 1

select

(count(case when loan\_status = 'Fully Paid' or loan\_status= 'Current' then id end) \*100)

/

count(id) as good\_loan\_percentage

from financial\_loan



select count(id) as Good\_loan\_applications from financial\_loan

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



select sum(loan\_amount) as Good\_loan\_amount from financial\_loan

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



select sum(total\_payment) as Good\_loan\_received\_amount from financial\_loan

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



**Bad Loan**

select count(id) as Bad\_loan\_applications from financial\_loan

where loan\_status = 'Charged Off'



select

(count(case when loan\_status = 'Charged Off' then id end )\* 100.0)/

count(id) As Bad\_loan\_percentage

from financial\_loan



Bad Loan Amount

select sum(loan\_amount) as Bad\_loan\_amount from financial\_loan

where loan\_status = 'Charged Off'



select sum(total\_payment) as Bad\_loan\_amount\_received from financial\_loan

where loan\_status = 'Charged Off'



Loan Status for Multiple Division

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,

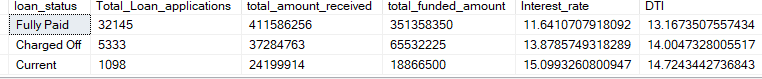
avg(dti \*100) as DTI

from

financial\_loan

group by

loan\_status



For current month Loan Status

select loan\_status,

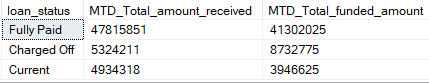
sum(total\_payment) as MTD\_Total\_amount\_received,

sum(loan\_amount) as MTD\_Total\_funded\_amount

from financial\_loan

where month(issue\_date) = 12

group by loan\_status



Dashboard – 2 Overview

select

month(issue\_date) as month\_number,

datename(month,issue\_date) as month\_name,

count(id) as total\_loan\_applications,

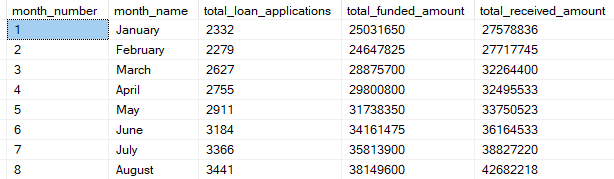
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

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

order by month(issue\_date)



select

address\_state,

count(id) as total\_loan\_applications,

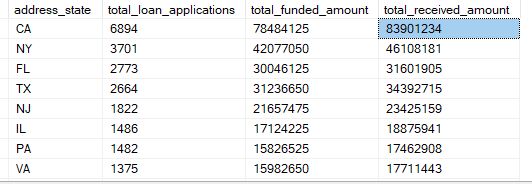
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

group by address\_state

order by count(id) desc



select

term,

count(id) as total\_loan\_applications,

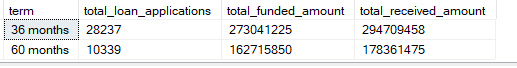
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

group by term

order by term



select

emp\_length,

count(id) as total\_loan\_applications,

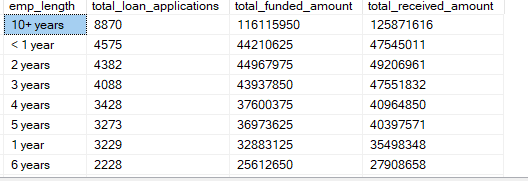
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

group by emp\_length

order by count(id) desc



select

purpose,

count(id) as total\_loan\_applications,

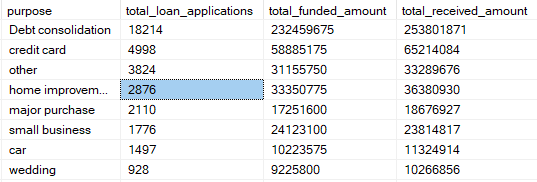
sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

group by purpose

order by count(id) desc



select

home\_ownership,

count(id) as total\_loan\_applications,

sum(loan\_amount) as total\_funded\_amount,

sum(total\_payment) as total\_received\_amount

from financial\_loan

group by home\_ownership

order by count(id) desc

