BANK LOAN REPORT QUERY DOCUMENT

# BANK LOAN REPORT | SUMMARY

**KPI’S:**

## Total Loan Applications

|  |  |
| --- | --- |
|  | select count(id) as Total\_Applications from bank\_loan\_data |

## MTD loan application

|  |  |
| --- | --- |
|  | select count(id) as MTD\_Total\_Application from bank\_loan\_data  where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021 |

## PMTD loan application

|  |  |
| --- | --- |
|  | select count(id) as PMTD\_Total\_Application from bank\_loan\_data  where MONTH(issue\_date) = 11 and YEAR(issue\_date) = 2021 |

## 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 |

## 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 Funded Amount

|  |  |
| --- | --- |
|  | select sum(loan\_amount) as Total\_funded\_amount from bank\_loan\_data |

## Total Amount Received

|  |  |
| --- | --- |
|  | select sum(total\_payment) as Total\_Amount\_Received 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 round(AVG(int\_rate),4)\*100 as Avg\_interest\_rate from bank\_loan\_data |

## MTD\_Average Interest Rate

|  |  |
| --- | --- |
|  | select round(AVG(int\_rate),4)\*100 as MTD\_Avg\_interest\_rate from bank\_loan\_data  where month(issue\_date) = 12 and year(issue\_date) = 2021 |

## PMTD\_Average Interest Rate

|  |  |
| --- | --- |
|  | select round(AVG(int\_rate),4)\*100 as PMTD\_Avg\_interest\_rate from bank\_loan\_data  where month(issue\_date) = 11 and year(issue\_date) = 2021 |

## Average DTI

|  |  |
| --- | --- |
|  | select round(avg(dti)\*100,2) as Avg\_DTI from bank\_loan\_data |

## Average MTD DTI

|  |  |
| --- | --- |
|  | select round(avg(dti)\*100,2) as MTD\_Avg\_DTI from bank\_loan\_data  where MONTH(issue\_date) = 12 and YEAR(issue\_date) = 2021 |

## Average PMTD DTI

|  |  |
| --- | --- |
|  | select round(avg(dti)\*100,2) as PMTD\_Avg\_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 Application

|  |  |
| --- | --- |
|  | select count(id) as Good\_loan\_application 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 = 'fully paid' or loan\_status = 'current' |

## Good loan amount received

|  |  |
| --- | --- |
|  | select sum(total\_payment) as Good\_loan\_received\_amount 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\_percetage from bank\_loan\_data |

## Bad loan Applications

|  |  |
| --- | --- |
|  | select count(id) as Bad\_loan\_application 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\_Application,  sum(total\_payment) as Total\_Amount\_received,  sum(loan\_amount) as Total\_funded\_amount,  avg(int\_rate\*100) as Avg\_interest\_rate,  avg(dti\*100) as DTI  from bank\_loan\_data  group by 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 |

1. **BANK LOAN REPORT | OVERVIEW**

**MONTH**

|  |  |
| --- | --- |
|  | select  MONTH(issue\_date) as Month\_number,  DATENAME(month, issue\_date) as Month\_name,  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 MONTH(issue\_date), DATENAME(month, issue\_date)  order by month(issue\_date) |

**STATE**

|  |  |
| --- | --- |
|  | select  address\_state as 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 address\_state |

**Term**

|  |  |
| --- | --- |
|  | 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**

|  |  |
| --- | --- |
|  | select  emp\_length as Employee\_Length,  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 emp\_length  order by emp\_length |

**PURPOSE**

|  |  |
| --- | --- |
|  | select  purpose as purpose,  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 purpose  order by purpose |

**HOME OWNERSHIP**

|  |  |
| --- | --- |
|  | select  home\_ownership as Home\_Ownership,  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 home\_ownership  order by home\_ownership |