**BANK LOAN REPORT QUERY DOCUMENT**

1. **BANK LOAN REPORT | SUMMARY**

**KPI’s:**

1. Total Loan Applications

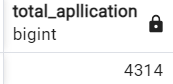
select count(id) as Total\_loan\_apllication from Bank\_loan



1. MTD loan application

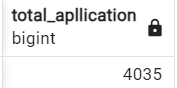
select count(id) as total\_Apllication from bank\_loan

where EXTRACT(MONTH FROM issue\_date) = 12;



1. PMTD loan apllication

select count(id) as total\_Apllication from bank\_loan

where EXTRACT(MONTH FROM issue\_date) = 11;  


1. Total Funded Amount

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

from Bank\_loan;



1. MTD Total Funded Amount

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

from Bank\_loan

where extract(month from issue\_date) = 12



1. PMTD Total Funded Amount

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

from Bank\_loan

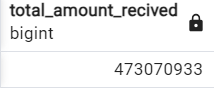
where extract(month from issue\_date) = 11



1. Total Amount Received

select sum(Total\_payment) as total\_amount\_recived

from bank\_loan

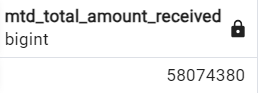


1. MTD Total Amount Received

select sum(total\_payment) as MTD\_total\_Amount\_received

from bank\_loan

where extract(month from issue\_date) = 12

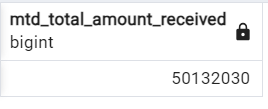


1. PMTD Total Amount Received

select sum(total\_payment) as MTD\_total\_Amount\_received

from bank\_loan

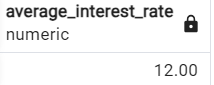
where extract(month from issue\_date) = 11



1. Average interest rate

select round(avg(int\_rate),2)\*100 as avgerage\_interest\_rate

from bank\_loan

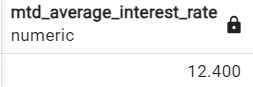


1. MTD Average interest rate

select round(avg(int\_rate),2)\*100 as MTD\_average\_interest\_rate

from bank\_loan

where extract(month from issue\_date) = 12



1. PMTD Average interest rate

select round(avg(int\_rate),3)\*100 as MTD\_average\_interest\_rate

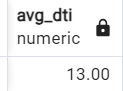
from bank\_loan

where extract(month from issue\_date) = 12



1. Average DTI

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



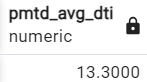
1. MTD Average DTI

select round(avg(dti),4)\*100 as MTD\_Avg\_DTI from bank\_loan

where extract(month from issue\_date) = 12



1. PMTD Average DTI

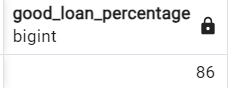


**GOOD LOAN ISSUED**

1. 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

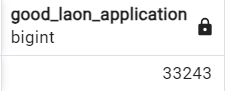
from bank\_loan



1. Good\_Loan\_application

select count(id) as good\_laon\_application from bank\_loan

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



1. Good loan funded amount

select sum(loan\_amount) as Good\_Loan\_Funded\_Amount from bank\_loan

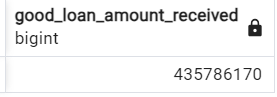
where loan\_status = 'Fully Paid' or loan\_status = 'Current'



1. Good loan amount received

select sum(Total\_payment) as Good\_Loan\_amount\_received from Bank\_loan

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



**BAD LOAN ISSUED**

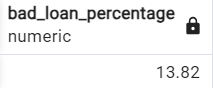
1. Bad Loan Percentage

Bad Loan Percentage

select round((count

(case when loan\_status ='Charged Off' then id end) \* 100.0)/ count(id),2) as bad\_Loan\_percentage

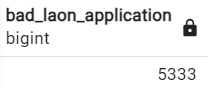
from Bank\_loan



1. Bad Loan Application

select count(id) as Bad\_Laon\_Application from bank\_loan

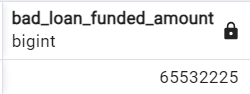
where loan\_status = 'Charged Off'



1. Bad Loan Funded Amount

select sum(loan\_amount) as Bad\_loan\_funded\_amount from Bank\_loan

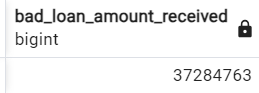
where loan\_status = 'Charged Off'



1. Bad Loan Amount Received

select sum(Total\_Payment) as Bad\_loan\_amount\_received from Bank\_loan

where loan\_status = 'Charged Off'

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**LOAN STATUS**

1. Loan status

select loan\_status,

count(id) as loan\_count,

sum(total\_payment) as Total\_Amount\_received,

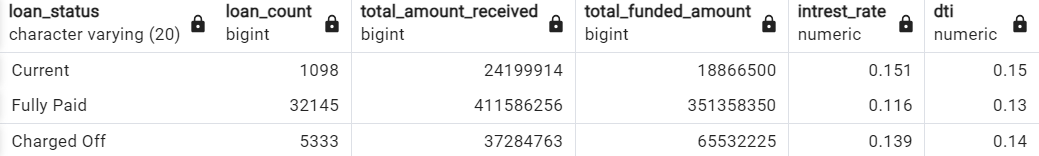
sum(loan\_amount) as total\_funded\_amount,

round(avg(int\_rate),3) as intrest\_rate,

round(avg(dti),2) as DTI

from bank\_loan

group By loan\_status



1. MTD loan status

select loan\_status,

sum(total\_payment) as MTD\_total\_payment,

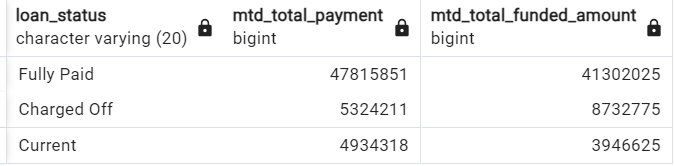
sum(loan\_amount) as MTD\_total\_funded\_amount

from bank\_loan

where extract(month from issue\_date) = 12

group by loan\_status

order by MTD\_total\_payment desc



1. **BANK LOAN REPORT | OVERVIEW**
2. MONTH

SELECT

extract(month from issue\_date) AS Month\_Number,

to\_char(issue\_date, 'month') AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

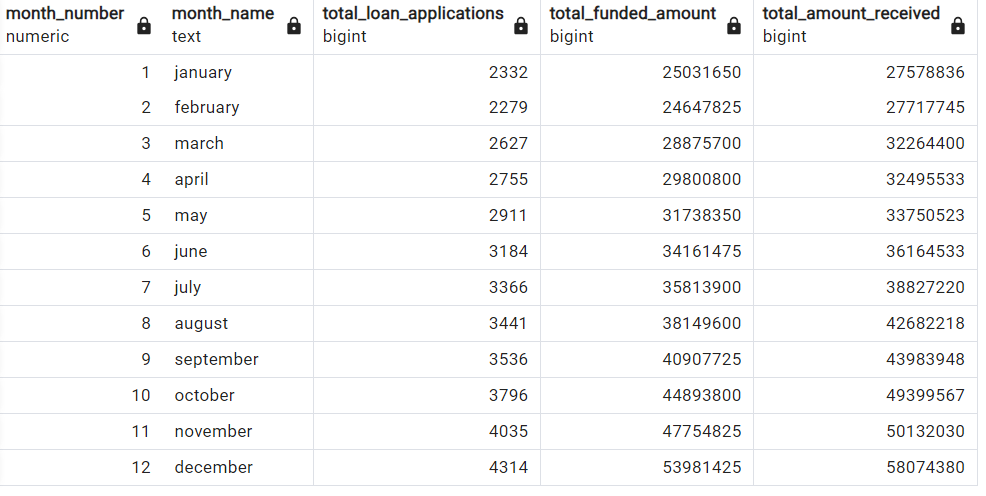
SUM(loan\_amount) AS Total\_Funded\_Amount,

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

FROM bank\_loan

GROUP BY extract(month from issue\_date), To\_char(issue\_date, 'month')

ORDER BY extract(month from issue\_date)



1. State

select address\_state as state,

count(id) as total\_loan\_application,

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

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

from bank\_loan

group by state

order by state

|  |  |  |  |
| --- | --- | --- | --- |
| state | total\_loan\_application | total\_funded\_amount | total\_amount\_received |
| AK | 78 | 1031800 | 1108570 |
| AL | 432 | 4949225 | 5492272 |
| AR | 236 | 2529700 | 2777875 |
| AZ | 833 | 9206000 | 10041986 |
| CA | 6894 | 78484125 | 83901234 |
| CO | 770 | 8976000 | 9845810 |
| CT | 730 | 8435575 | 9357612 |
| DC | 214 | 2652350 | 2921854 |
| DE | 110 | 1138100 | 1269136 |
| FL | 2773 | 30046125 | 31601905 |
| GA | 1355 | 15480325 | 16728040 |
| HI | 170 | 1850525 | 2080184 |
| IA | 5 | 56450 | 64482 |
| ID | 6 | 59750 | 65329 |
| IL | 1486 | 17124225 | 18875941 |
| IN | 9 | 86225 | 85521 |
| KS | 260 | 2872325 | 3247394 |
| KY | 320 | 3504100 | 3792530 |
| LA | 426 | 4498900 | 5001160 |
| MA | 1310 | 15051000 | 16676279 |
| MD | 1027 | 11911400 | 12985170 |
| ME | 3 | 9200 | 10808 |
| MI | 685 | 7829900 | 8543660 |
| MN | 592 | 6302600 | 6750746 |
| MO | 660 | 7151175 | 7692732 |
| MS | 19 | 139125 | 149342 |
| MT | 79 | 829525 | 892047 |
| NC | 759 | 8787575 | 9534813 |
| NE | 5 | 31700 | 24542 |
| NH | 161 | 1917900 | 2101386 |
| NJ | 1822 | 21657475 | 23425159 |
| NM | 183 | 1916775 | 2084485 |
| NV | 482 | 5307375 | 5451443 |
| NY | 3701 | 42077050 | 46108181 |
| OH | 1188 | 12991375 | 14330148 |
| OK | 293 | 3365725 | 3712649 |
| OR | 436 | 4720150 | 4966903 |
| PA | 1482 | 15826525 | 17462908 |
| RI | 196 | 1883025 | 2001774 |
| SC | 464 | 5080475 | 5462458 |
| SD | 63 | 606150 | 656514 |
| TN | 17 | 162175 | 141522 |
| TX | 2664 | 31236650 | 34392715 |
| UT | 252 | 2849225 | 2952412 |
| VA | 1375 | 15982650 | 17711443 |
| VT | 54 | 504100 | 534973 |
| WA | 805 | 8855525 | 9531739 |
| WI | 446 | 5070450 | 5485161 |
| WV | 167 | 1830525 | 1991936 |
| WY | 79 | 890750 | 1046050 |

1. TERM

select term as term,

count(id) as Total\_Apllication,

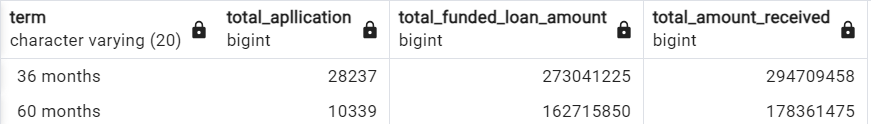
sum(loan\_amount) as Total\_funded\_loan\_amount,

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

from bank\_loan

group by term

order by term



1. EMP\_LENGTH

select emp\_length as emp\_length,

count(id) as total\_loan\_Apllication,

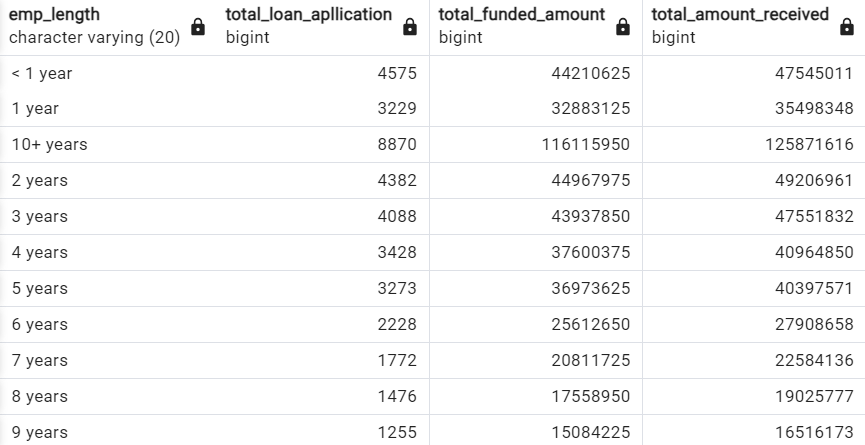
sum(loan\_amount) as total\_Funded\_amount,

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

from bank\_loan

group by emp\_length

order by emp\_length



1. PURPOSE

select purpose as purpose,

count(id) as total\_loan\_Apllication,

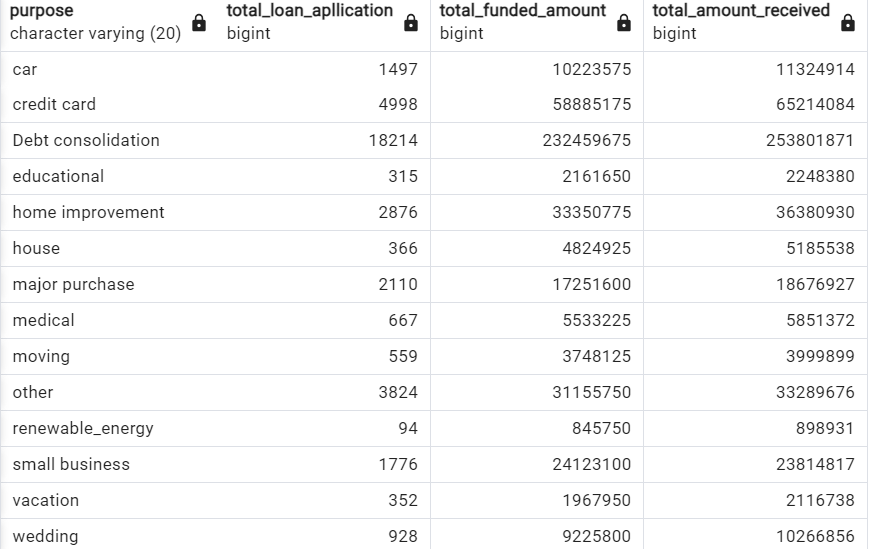
sum(loan\_amount) as total\_Funded\_amount,

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

from bank\_loan

group by purpose

order by purpose



1. HOMEWONERSHIP

select home\_ownership as home\_ownership,

count(id) as total\_loan\_Apllication,

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

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

from bank\_loan

group by home\_ownership

order by home\_ownership

