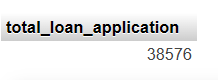
1. BANK LOAN REPORT | SUMMARY

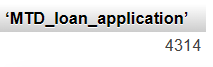
KPI’S:

* Total Loan Application

1. Total Loan Applications

SELECT COUNT(id) as ‘total\_loan\_application’

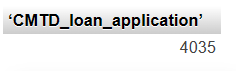
FROM bank\_loan;

1. MTD loan Applications

SELECT COUNT(id) as ‘total\_loan\_application’

FROM bank\_loan

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

1. PMTD loan Applications

SELECT COUNT(id) as ‘total\_loan\_application’

FROM bank\_loan

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

* Total Funded Amount

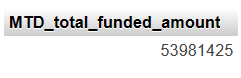
1. Total Funded Amount

SELECT SUM(loan\_amount) as 'total\_funded\_amount'

FROM `bank\_loan`

1. MTD Total Funded Amount

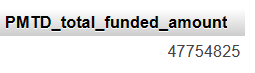
SELECT SUM(loan\_amount) as 'MTD\_total\_funded\_amount'

FROM `bank\_loan`

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

1. PMTD Total Funded Amount

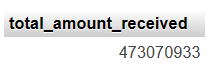
SELECT SUM(loan\_amount) as 'PMTD\_total\_funded\_amount'

FROM `bank\_loan`

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

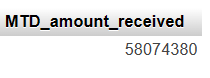
* Total Amount Received

1. Total Amount Received

SELECT SUM(total\_payment) as 'total\_amount\_received'

FROM `bank\_loan`

1. MTD Total Amount Received

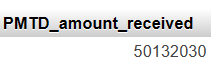
SELECT SUM(total\_payment) as 'MTD\_amount\_received'

FROM `bank\_loan`

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

1. PMTD Total Amount Received

SELECT SUM(total\_payment) as 'PMTD\_amount\_received'

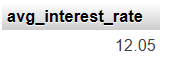
FROM `bank\_loan`

WHERE MONTH(issue\_date)=11

AND YEAR(issue\_date)=2021

* Average Interest Rate

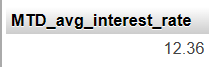
1. . Average Interest Rate

 SELECT ROUND((AVG(int\_rate)\*100),2) as 'avg\_interest\_rate'

FROM bank\_loan

1. . MTD Average Interest Rate

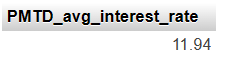
SELECT ROUND((AVG(int\_rate)\*100),2) as 'MTD\_avg\_interest\_rate'

FROM bank\_loan

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

1. . PMTD Average Interest Rate

SELECT ROUND((AVG(int\_rate)\*100),2) as 'PMTD\_avg\_interest\_rate'

FROM bank\_loan

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

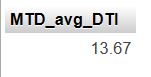
* Average Depth-to-Income Ratio(DTI)

1.  Average DTI

SELECT ROUND((AVG(dti)\*100),2) as 'avg\_DTI'

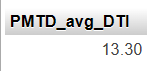
FROM bank\_loan

1. MTD Average DTI

SELECT ROUND((AVG(dti)\*100),2) as 'avg\_DTI'

FROM bank\_loan

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

1.  PMTD Average DTI

SELECT ROUND((AVG(dti)\*100),2) as 'PMTD\_avg\_DTI'

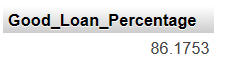
FROM bank\_loan

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

GOOD LOAN ISSUED:

1. Good Loan Percentage

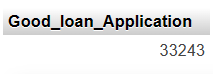
SELECT

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

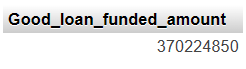
SELECT COUNT(id) as "Good\_loan\_Application"

FROM bank\_loan

WHERE loan\_status="Fully Paid" OR loan\_status="Current";

1. Good Loan Funded Amount

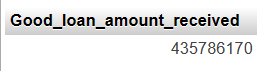
SELECT SUM(loan\_amount) as "Good\_loan\_funded\_amount"

FROM bank\_loan

WHERE loan\_status="Fully Paid" OR loan\_status="Current"

1. Good Loan Amount Received

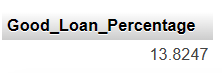
SELECT SUM(total\_payment) as "Good\_loan\_amount\_received"

FROM bank\_loan

WHERE loan\_status="Fully Paid" OR loan\_status="Current"

BAD LOAN ISSUED:

1. Bad Loan Percentage

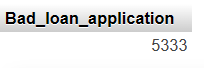
SELECT

COUNT(CASE WHEN loan\_status="Charged Off"

THEN id END) \*100 / COUNT(id) as'Bad\_Loan\_Percentage'

FROM bank\_loan

1. Bad Loan Application

SELECT COUNT(id) as "Bad\_loan\_application"

FROM bank\_loan

WHERE loan\_status="Charged Off"

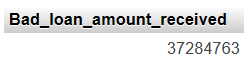
1. Bad loan Funded Amount

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"

LOAN STATUS:

SELECT loan\_status, COUNT(id) as "total\_loan\_application",

SUM(total\_payment) as "total\_amount\_received",

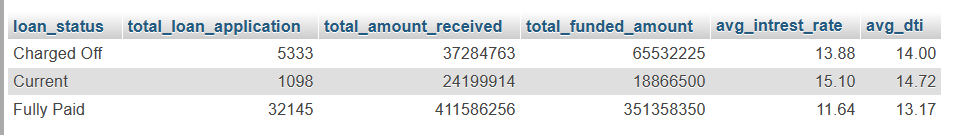
SUM(loan\_amount) as "total\_funded\_amount",

ROUND(AVG(int\_rate)\*100,2) as "avg\_intrest\_rate",

ROUND(AVG(dti)\*100,2) as "avg\_dti"

FROM bank\_loan

GROUP BY loan\_status;



1. BANK LOAN REPORT | OVERVIEW

CHARTS

1. MONTH

SELECT MONTH(issue\_date) AS 'month\_number',

MONTHNAME(issue\_date) as 'month\_name',

COUNT(id) as 'total\_loan\_applications',

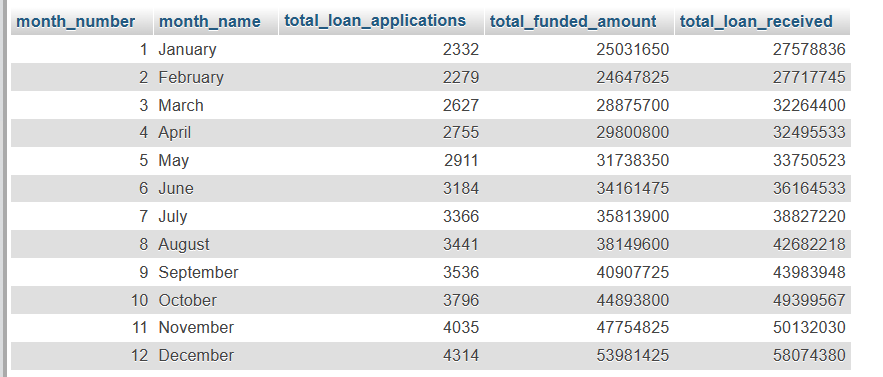
SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan

GROUP BY MONTH(issue\_date), MONTHNAME(issue\_date)

ORDER by MONTH(issue\_date);



1. STATE

SELECT address\_state as 'state',

COUNT(id) as 'total\_loan\_applications',

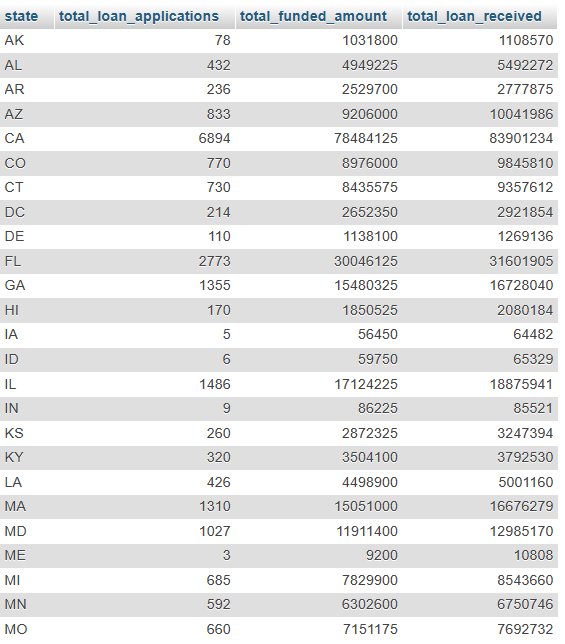
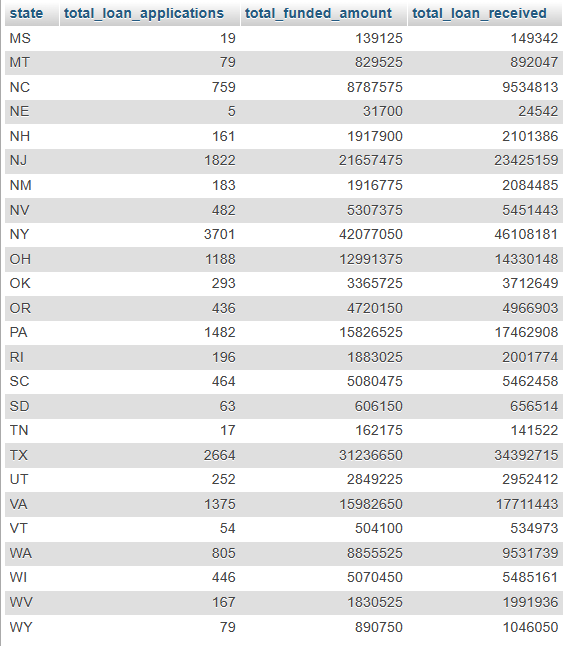
SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan

GROUP BY address\_state

ORDER by address\_state;



1. TERM

SELECT term ,

COUNT(id) as 'total\_loan\_applications',

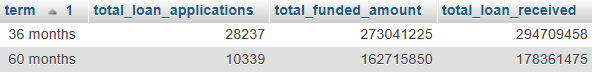
SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan

GROUP BY term

ORDER by term;



1. EMPLOYEE LENGTH

SELECT emp\_length ,

COUNT(id) as 'total\_loan\_applications',

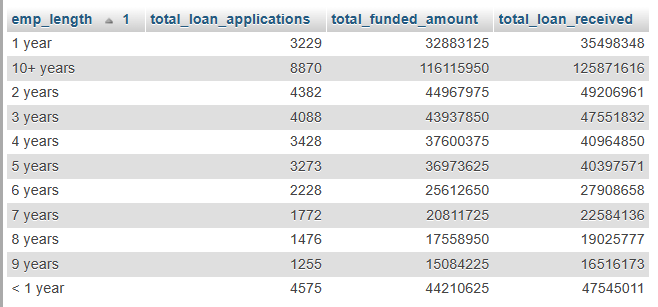
SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan

GROUP BY emp\_length

ORDER by emp\_length;



1. PURPOSE

SELECT purpose ,

COUNT(id) as 'total\_loan\_applications',

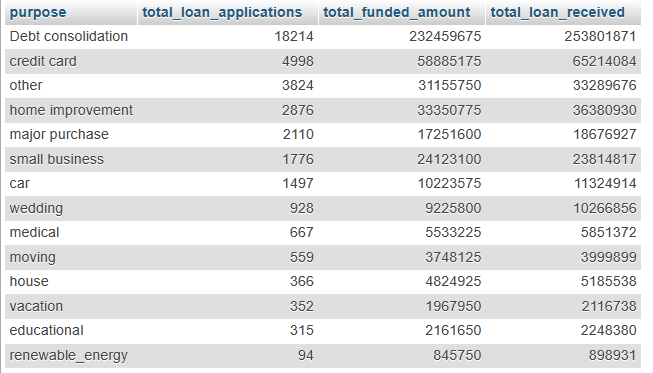
SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan

GROUP BY purpose

ORDER by COUNT(id) DESC;



1. HOME OWNERSHIP

SELECT home\_ownership ,

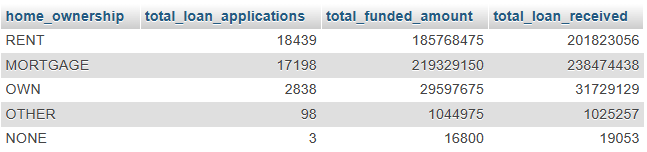
COUNT(id) as 'total\_loan\_applications',

SUM(loan\_amount) as 'total\_funded\_amount',

SUM(total\_payment) as 'total\_loan\_received'

FROM bank\_loan GROUP BY home\_ownership

ORDER by COUNT(id) DESC



*“Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.”*

*For e.g*

*See the results when we hit the Grade A in the filters for dashboards.*

*SELECT*

*purpose AS PURPOSE,*

*COUNT(id) AS Total\_Loan\_Applications,*

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

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

*FROM bank\_loan\_data*

*WHERE grade = 'A'*

*GROUP BY purpose*

*ORDER BY purpose*