**BANK LOAN REPORT ANALYSIS**

**SUMMARY REPORT**

1. **KPI’s**

**Total Loan Applications**

**SELECT count(id) AS Total\_Loan\_Applications FROM financial\_loan;**

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**MTD\_Total Loan Applications**

**SELECT count(id) AS MTD\_Total\_Loan\_Applications FROM financial\_loan**

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

****

**MTD\_Total Loan Applications**

**SELECT count(id) AS PMTD\_Total\_Loan\_Applications FROM financial\_loan**

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

****

**Total Funded Applications**

**SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM financial\_loan;**

****

**MTD Total Funded Applications**

**SELECT SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount FROM financial\_loan**

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

****

**PMTD Total Funded Applications**

**SELECT SUM(loan\_amount) AS PMTD\_Total\_Funded\_Amount FROM financial\_loan**

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

****

**Total Amount Received**

**SELECT SUM(total\_payment) AS Total\_Amount\_received FROM financial\_loan;**

****

**MTD Total Amount Received**

**SELECT SUM(total\_payment) AS MTD\_Total\_Amount\_received FROM financial\_loan**

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

****

**PMTD Total Amount Received**

**SELECT SUM(total\_payment) AS PMTD\_Total\_Amount\_received FROM financial\_loan**

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

****

**Average Interest Rate**

**SELECT ROUND(AVG(int\_rate), 5) \*100 AS Avg\_Interest\_Rate FROM financial\_loan;**

****

**MTD Average Interest Rate**

**SELECT ROUND(AVG(int\_rate), 5) \*100 AS MTD\_Avg\_Interest\_Rate FROM financial\_loan**

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

****

**PMTD Average Interest Rate**

**SELECT ROUND(AVG(int\_rate), 5)\*100 AS PMTD\_Avg\_Interest\_Rate FROM financial\_loan**

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

****

**Average DTI (Debt-to-Income)**

**SELECT ROUND(AVG(dti),5) \* 100 AS Avg\_DTI FROM financial\_loan;**

****

**MTD Average DTI**

**SELECT ROUND(AVG(dti),5) \* 100 AS MTD\_Avg\_DTI FROM financial\_loan**

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

****

**PMTD Average DTI**

**SELECT ROUND(AVG(dti),5) \* 100 AS PMTD\_Avg\_DTI FROM financial\_loan**

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

****

**GOOD LOAN ISSUED**

**Good Loan Percentage**

**SELECT**

**ROUND((COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \*100)**

**/**

**COUNT(id),**

**2) AS Good\_loan\_percentage**

**FROM financial\_loan;**

****

**Good Loan Applications**

**SELECT COUNT(id) AS Good\_Loan\_Applications FROM financial\_loan**

**WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current';**

****

**Good Loan Funded Amount**

**SELECT SUM(loan\_amount) AS Good\_Loan\_Funded\_Amount FROM financial\_loan**

**WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current';**

****

**Good Loan Amount Received**

**SELECT SUM(total\_payment) AS Good\_Loan\_Amount\_Received FROM financial\_loan**

**WHERE loan\_status = 'Fully Paid' OR loan\_status = 'Current';**

****

**BAD LOAN ISSUED**

**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 financial\_loan;**

****

**Bad Loan Applications**

**SELECT COUNT(id) AS Bad\_Loan\_Applications FROM financial\_loan**

**WHERE loan\_status = 'Charged Off';**

****

**Bad Loan Funded Amount**

**SELECT SUM(loan\_amount) AS Bad\_Loan\_Funded\_amount FROM financial\_loan**

**WHERE loan\_status = 'Charged Off';**

****

**Bad Loan Amount Received**

**SELECT SUM(total\_payment) AS Bad\_Loan\_Amount\_Received FROM financial\_loan**

**WHERE loan\_status = 'Charged Off';**

****

**LOAN STATUS**

**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,**

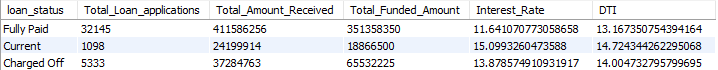
**AVG(dti \* 100) AS DTI**

**FROM**

**financial\_loan**

**GROUP BY**

**loan\_status;**

****

**Loan Status MTD**

**SELECT**

**loan\_status,**

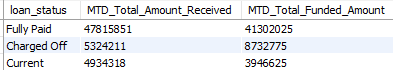
**SUM(total\_payment) AS MTD\_Total\_Amount\_Received,**

**SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount**

**FROM financial\_loan**

**WHERE MONTH(issue\_date) = 12**

**GROUP BY loan\_status;**

****

**OVERVIEW DASHBOAD [BANK REPORT ANALYSIS]**

**MONTH**

**SELECT**

**MONTH(issue\_date) AS Month\_Number,**

**MONTHNAME(issue\_date) AS Month\_Name,**

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

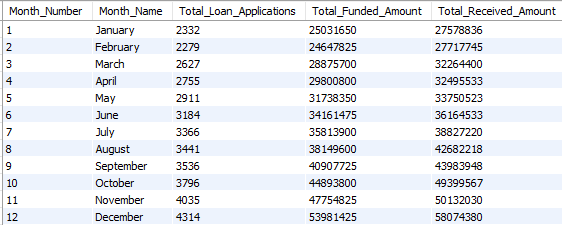
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY Month\_Number,Month\_Name**

**ORDER BY Month\_Number;**

****

**REGIONAL/STATE ANALYSIS**

**SELECT**

**address\_state,**

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

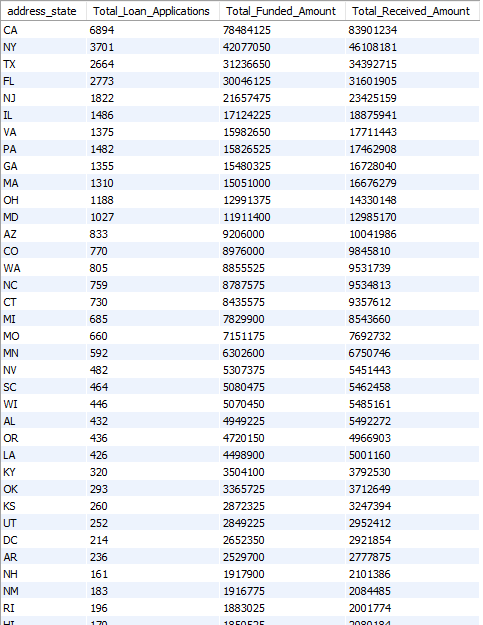
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY address\_state**

**ORDER BY Total\_Funded\_Amount DESC;**

****

**Loan Term**

**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;**

****

**Employee Length**

**SELECT**

**emp\_length,**

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

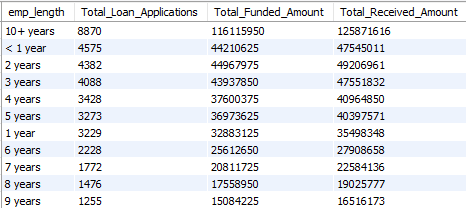
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY emp\_length**

**ORDER BY Total\_Loan\_Applications DESC;**

****

**Loan Purpose Breakdown**

**SELECT**

**purpose,**

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

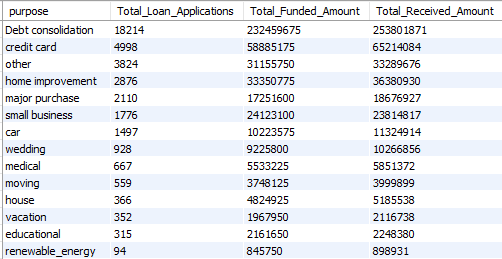
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY purpose**

**ORDER BY Total\_Loan\_Applications DESC;**

****

**Home Ownership Analysis**

**SELECT**

**home\_ownership,**

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

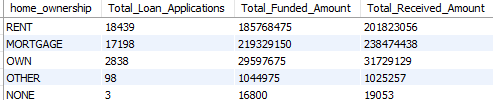
**SUM(loan\_amount) AS Total\_Funded\_Amount,**

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

**FROM financial\_loan**

**GROUP BY home\_ownership**

**ORDER BY Total\_Loan\_Applications;**

****

**Note: All dashboards have multiple filters applied. You can test the impact of these filters by adjusting the query and observing the results.**

**For example, select Grade A from the filters to see how the dashboard data changes accordingly.**

**SELECT**

**home\_ownership,**

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

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

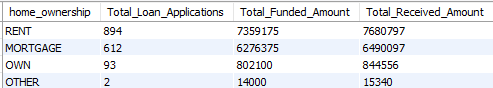
**SUM(total\_payment) AS Total\_Received\_Amount**

**FROM financial\_loan**

**WHERE grade = 'A' AND address\_state = 'CA'**

**GROUP BY home\_ownership**

**ORDER BY Total\_Loan\_Applications DESC;**

****