KPI’s

1. **Total Loan Applications**

SELECT COUNT(id) AS total\_loan\_application FROM bank\_db;



1. **MTD Loan Applications**

**SELECT COUNT(id) AS MTD\_total\_loan\_application FROM bank\_db**

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

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

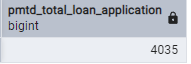
****

1. **Month on Month Loan Applications**

**SELECT COUNT(id) AS PMTD\_total\_loan\_application FROM bank\_db**

**WHERE EXTRACT(MONTH FROM issue\_date) = 11**

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **Total funded Amount**

**SELECT SUM(loan\_amount) AS total\_funded\_amount FROM bank\_db;**

****

1. **MTD Total funded amount**

**SELECT SUM(loan\_amount) AS MTD\_total\_funded\_amount FROM bank\_db**

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

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **Previous Month total funded Amount**

**SELECT SUM(loan\_amount) AS PMTD\_total\_funded\_amount FROM bank\_db**

**WHERE EXTRACT(MONTH FROM issue\_date) = 11**

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **Total Amount Received**

**SELECT SUM(total\_payment) AS total\_amount\_received FROM bank\_db;**

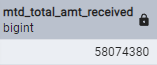
****

1. **MTD total Amount received**

**SELECT SUM(total\_payment) AS MTD\_total\_amt\_received FROM bank\_db**

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

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **PMTD total Amount received**

**SELECT SUM(total\_payment) AS PMTD\_total\_amt\_received FROM bank\_db**

**WHERE EXTRACT(MONTH FROM issue\_date) = 11**

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **Average Interest Rate**

**SELECT ROUND(AVG(int\_rate)::numeric, 4) \* 100 AS Avg\_Int\_rate FROM bank\_db;**

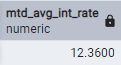
****

1. **Current Month Avg Interest Rate**

**SELECT ROUND(AVG(int\_rate)::numeric, 4) \* 100 AS MTD\_Avg\_Int\_rate FROM bank\_db**

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

**AND EXTRACT(YEAR FROM issue\_date) = 2021;**

****

1. **Previous Month Avg Interest Rate**

SELECT ROUND(AVG(int\_rate)::numeric, 4) \* 100 AS PMTD\_Avg\_Int\_rate FROM bank\_db

WHERE EXTRACT(MONTH FROM issue\_date) = 11

AND EXTRACT(YEAR FROM issue\_date) = 2021;

****

1. **Average Debt to Income Ratio (DTI)**

SELECT ROUND(AVG(dti)::NUMERIC, 4) \* 100 AS Avg\_DTI FROM bank\_db;

****

1. **Current Month Avg DTI**

SELECT ROUND(AVG(dti)::NUMERIC, 4) \* 100 AS MTD\_Avg\_DTI FROM bank\_db

WHERE EXTRACT(MONTH FROM issue\_date) = 12

AND EXTRACT(YEAR FROM issue\_date) = 2021;

****

1. **Previous Month Avg DTI**

SELECT ROUND(AVG(dti)::NUMERIC, 4) \* 100 AS PMTD\_Avg\_DTI FROM bank\_db

WHERE EXTRACT(MONTH FROM issue\_date) = 11

AND EXTRACT(YEAR FROM issue\_date) = 2021;

****

1. **Good Loan %**

SELECT

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

/

COUNT(id) AS Good\_Loan\_percentage

FROM bank\_db;

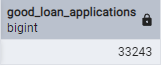
****

1. **Good Loan Applications**

**SELECT COUNT(\*) AS Good\_loan\_Applications FROM bank\_db**

**WHERE loan\_status = 'Fully Paid'**

**OR loan\_status = 'Current';**

****

1. **Good Loan Funded Amount**

**SELECT SUM(loan\_amount) AS Good\_Loan\_funded\_Amt**

**FROM bank\_db**

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

****

1. **Good Loan Total Received Amount**

**SELECT SUM(total\_payment) AS Good\_Loan\_Total\_Received\_Amt**

**FROM bank\_db**

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

****

1. **Total Bad Loan %**

**SELECT**

**(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100.0)**

**/**

**COUNT(id) AS Bad\_Loan\_percentage**

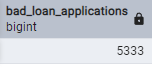
**FROM bank\_db;**

****

1. **Bad Loan Applications**

**SELECT COUNT(id) AS Bad\_Loan\_Applications FROM bank\_db**

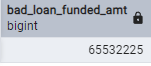
**WHERE loan\_status = 'Charged Off';**

****

1. **Bad Loan Funded Amount**

**SELECT SUM(loan\_amount) AS Bad\_loan\_funded\_amt FROM bank\_db**

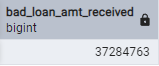
**WHERE loan\_status = 'Charged Off';**

****

1. **Total bad loan amount received**

**SELECT SUM(Total\_payment) AS bad\_loan\_amt\_received FROM bank\_db**

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

****

1. **Loan Status Grid View**

**SELECT**

**loan\_status,**

**COUNT(id) AS total\_applications,**

**SUM(Total\_payment) AS total\_amt\_received,**

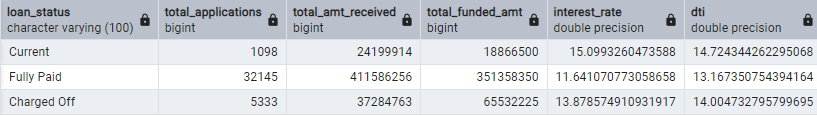
**SUM(loan\_amount) AS total\_funded\_amt,**

**AVG(int\_rate \* 100) AS interest\_rate,**

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

**FROM bank\_db**

**GROUP BY loan\_status;**

****

1. **Month to date loan Status grid view**

**SELECT**

**loan\_status,**

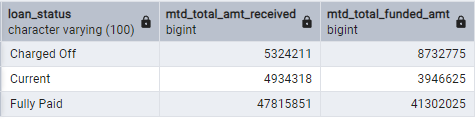
**SUM(total\_payment) AS MTD\_total\_amt\_received,**

**SUM(loan\_amount) AS MTD\_total\_funded\_amt**

**FROM bank\_db**

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

**GROUP BY loan\_status;**

****

1. **Month trends by Issue Date**

**SELECT**

**TO\_CHAR(issue\_date, 'Month') AS Month\_name,**

**COUNT(id) AS total\_loan\_applications,**

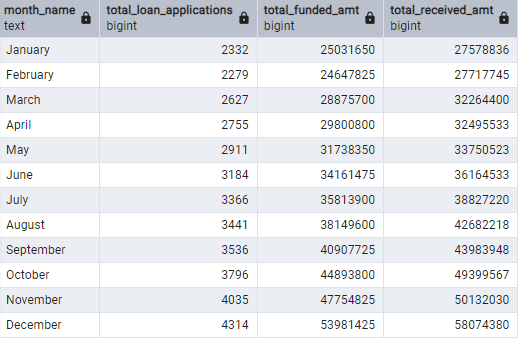
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY Month\_name**

**ORDER BY MIN(issue\_date);**

****

1. **Regional Analysis By State**

**SELECT**

**address\_state,**

**COUNT(id) AS total\_loan\_applications,**

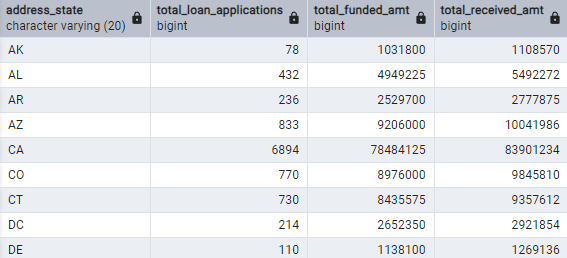
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY address\_state**

**ORDER BY address\_state;**

****

1. **Loan Terms analysis**

**SELECT**

**term,**

**COUNT(id) AS total\_loan\_applications,**

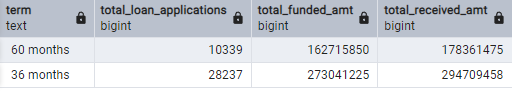
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY term**

**ORDER BY term DESC;**

****

1. **Employee Length Analysis**

**SELECT**

**emp\_length,**

**COUNT(id) AS total\_loan\_applications,**

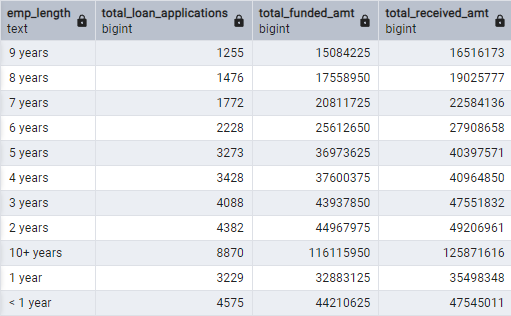
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY emp\_length**

**ORDER BY emp\_length DESC;**

****

1. **Loan Purpose Analysis**

**SELECT**

**purpose,**

**COUNT(id) AS total\_loan\_applications,**

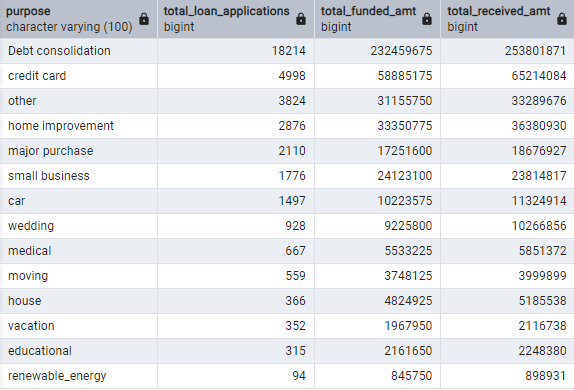
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY purpose**

**ORDER BY total\_loan\_applications DESC;**

****

1. **Home Ownership Analysis**

**SELECT**

**home\_ownership,**

**COUNT(id) AS total\_loan\_applications,**

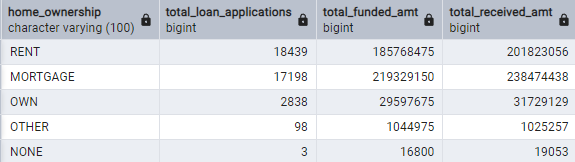
**SUM(loan\_amount) AS total\_funded\_amt,**

**SUM(total\_payment) AS total\_received\_amt**

**FROM bank\_db**

**GROUP BY home\_ownership**

**ORDER BY total\_loan\_applications DESC;**

****