Bank Loan Query Report

**Page 1: KPIs**

**Total Loan Applications**

SELECT COUNT(id) as TOTAL\_LOAN\_APPLICATIONS FROM loan\_data



**MTD Loan Applications**

SELECT COUNT(id) as MTD\_TOTAL\_LOAN\_APPLICATIONS FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Loan Applications**

SELECT COUNT(id) as PMTD\_TOTAL\_LOAN\_APPLICATIONS FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Total Funded Amount**

SELECT SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT FROM loan\_data



**MTD Total Funded Amount**

SELECT SUM(loan\_amount) AS MTD\_TOTAL\_FUNDED\_AMOUNT FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Total Funded Amount**

SELECT SUM(loan\_amount) AS PMTD\_TOTAL\_FUNDED\_AMOUNT FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Total Amount Received**

SELECT SUM(total\_payment) AS TOTAL\_AMOUNT\_RECEIVED FROM loan\_data



**MTD Total Amount Received**

SELECT SUM(total\_payment) AS MTD\_TOTAL\_AMOUNT\_RECEIVED FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Total Amount Received**

SELECT SUM(total\_payment) AS PMTD\_TOTAL\_AMOUNT\_RECEIVED FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Average Interest Rate**

SELECT ROUND(AVG(int\_rate), 4) \* 100 as AVG\_INTEREST\_RATE FROM loan\_data



**MTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate), 4) \* 100 as MTD\_AVG\_INTEREST\_RATE FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate), 4) \* 100 as PMTD\_AVG\_INTEREST\_RATE FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Average DTI**

SELECT ROUND(AVG(dti), 4) \* 100 as AVG\_DTI FROM loan\_data



**MTD Average DTI**

SELECT ROUND(AVG(dti), 4) \* 100 as MTD\_AVG\_DTI FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Average DTI**

SELECT ROUND(AVG(dti), 4) \* 100 as PMTD\_AVG\_DTI FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Page 2: Good Loan vs Bad Loan KPIs**

**Good Loan Application %**

SELECT

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

/

COUNT(id) AS GOOD\_LOAN\_PERC

FROM loan\_data



**Good Loan Applications**

SELECT COUNT(id) AS GOOD\_LOAN\_APPLICATIONS FROM loan\_data

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



**Good Loan Funded Amount**

SELECT COUNT(id) AS GOOD\_LOAN\_APPLICATIONS FROM loan\_data

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



**Good Loan Total Received Amount**

SELECT SUM(total\_payment) AS GOOD\_LOAN\_TOTAL\_AMOUNT\_RECEIVED FROM loan\_data

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



**Bad Loan Application %**

SELECT

(COUNT(CASE WHEN loan\_status = 'Charged Off' THEN id END) \* 100)

/

COUNT(id) AS BAD\_LOAN\_PERC

FROM loan\_data



**Bad Loan Applications**

SELECT COUNT(id) AS BAD\_LOAN\_APPLICATIONS FROM loan\_data

WHERE loan\_status = 'Charged Off'



**Bad Loan Funded Amount**

SELECT SUM(loan\_amount) AS BAD\_LOAN\_FUNDED\_AMOUNT FROM loan\_data

WHERE loan\_status = 'Charged Off'



**Bad Loan Total Received Amount**

SELECT SUM(total\_payment) AS BAD\_LOAN\_TOTAL\_AMOUNT\_RECEIVED FROM loan\_data

WHERE loan\_status = 'Charged Off'



**Loan Status**

SELECT

loan\_status,

COUNT(id) AS LOAN\_COUNT,

SUM(total\_payment) AS TOTAL\_AMOUT\_RECEIVED,

SUM(loan\_amount) AS TOTAL\_AMOUNT\_FUNDED,

AVG(int\_rate \* 100) AS INTEREST\_RATE,

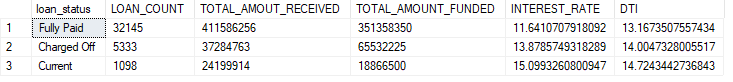
AVG(dti \* 100) AS DTI

FROM

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

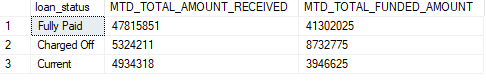
loan\_data

WHERE

MONTH(issue\_date) = 12

GROUP BY

loan\_status



SELECT

loan\_status,

SUM(total\_payment) AS PMTD\_TOTAL\_AMOUNT\_RECEIVED,

SUM(loan\_amount) AS PMTD\_TOTAL\_FUNDED\_AMOUNT

FROM

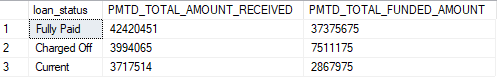
loan\_data

WHERE

MONTH(issue\_date) = 11

GROUP BY

loan\_status



**Page 3: Charts**

**Monthly Trend by Issue Date**

SELECT

MONTH(issue\_date) AS MONTH\_NUMBER,

DATENAME(MONTH, issue\_date) AS MONTH\_NAME,

COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS,

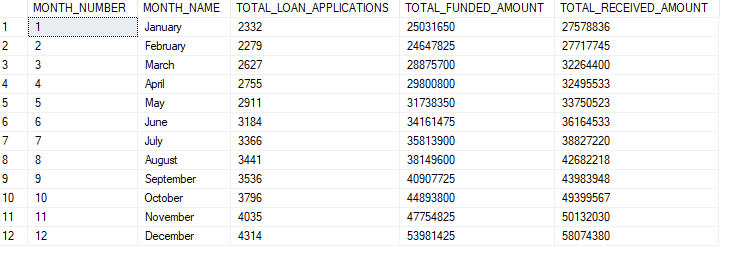
SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT,

SUM(total\_payment) AS TOTAL\_RECEIVED\_AMOUNT

FROM loan\_data

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

ORDER BY MONTH(issue\_date)



**Regional Analysis by State**

SELECT

address\_state,

COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS,

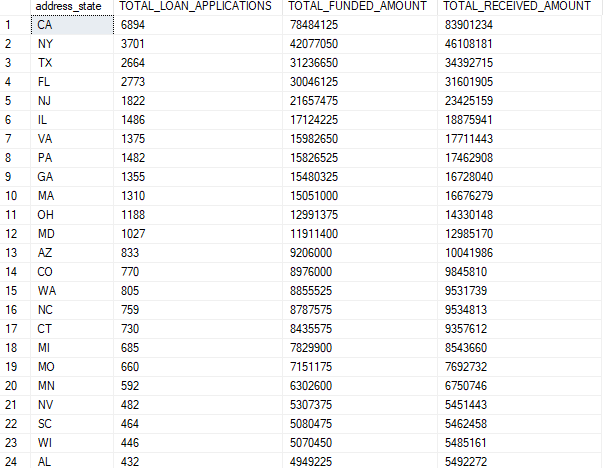
SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT,

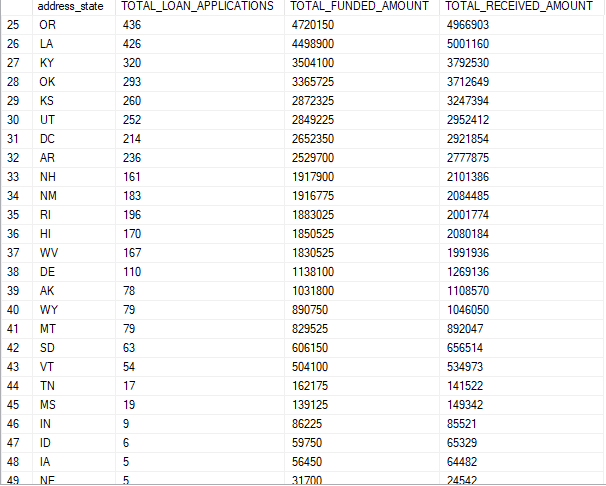
SUM(total\_payment) AS TOTAL\_RECEIVED\_AMOUNT

FROM loan\_data

GROUP BY address\_state

ORDER BY SUM(loan\_amount) DESC





**Loan Term Analysis**

SELECT

term,

COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS,

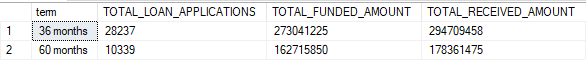
SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT,

SUM(total\_payment) AS TOTAL\_RECEIVED\_AMOUNT

FROM loan\_data

GROUP BY term

ORDER BY term



**Employee Length Analysis**

SELECT

emp\_length,

COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS,

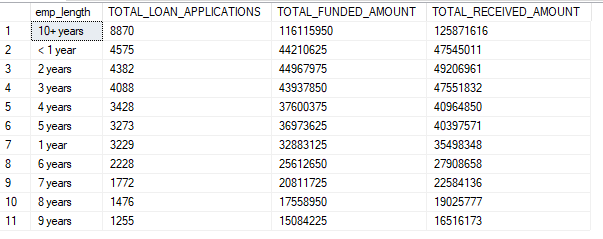
SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT,

SUM(total\_payment) AS TOTAL\_RECEIVED\_AMOUNT

FROM loan\_data

GROUP BY emp\_length

ORDER BY COUNT(id) DESC



**Loan Purpose Breakdown**

SELECT

purpose,

COUNT(id) AS TOTAL\_LOAN\_APPLICATIONS,

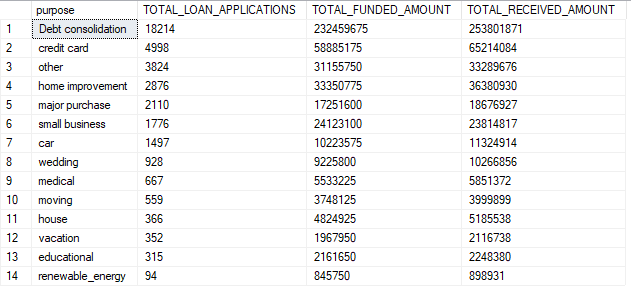
SUM(loan\_amount) AS TOTAL\_FUNDED\_AMOUNT,

SUM(total\_payment) AS TOTAL\_RECEIVED\_AMOUNT

FROM loan\_data

GROUP BY purpose

ORDER BY COUNT(id) DESC



**Homeownership 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 loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) DESC

