# **BANK LOAN REPORT QUERY DOCUMENT**

## A. BANK LOAN REPORT | SUMMARY

## KPI's:

## **Total Loan Applications**

SELECT COUNT(id) AS Total\_Applications FROM
bank loan data



## **MTD Loan Applications**

SELECT COUNT(id) AS Total\_Applications FROM
bank\_loan\_data
WHERE MONTH(issue\_date) = 12



## **PMTD Loan Applications**

SELECT COUNT(id) AS Total\_Applications FROM
bank\_loan\_data
WHERE MONTH(issue date) = 11



### **Total Funded Amount**

SELECT SUM(loan\_amount) AS Total\_Funded\_Amount FROM
bank\_loan\_data

```
Total_Funded_Amount
435757075
```

### **MTD Total Funded Amount**

```
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM
bank_loan_data
WHERE MONTH(issue date) = 12
```

```
Total_Funded_Amount 53981425
```

### **PMTD Total Funded Amount**

```
SELECT SUM(loan_amount) AS Total_Funded_Amount FROM
bank_loan_data
WHERE MONTH(issue date) = 11
```

```
Total_Funded_Amount
47754825
```

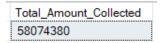
### **Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected
FROM bank\_loan\_data

```
Total_Amount_Collected 473070933
```

### **MTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected
FROM bank\_loan\_data
WHERE MONTH(issue date) = 12



### **PMTD Total Amount Received**

SELECT SUM(total\_payment) AS Total\_Amount\_Collected
FROM bank\_loan\_data
WHERE MONTH(issue\_date) = 11



## **Average Interest Rate**

SELECT AVG(int\_rate)\*100 AS Avg\_Int\_Rate FROM
bank loan data

```
Avg_Int_Rate
12.0488314172048
```

## **MTD Average Interest**

```
SELECT AVG(int_rate)*100 AS MTD_Avg_Int_Rate FROM
bank_loan_data
WHERE MONTH(issue date) = 12
```

```
MTD_Avg_Int_Rate
12.3560408676042
```

### **PMTD Average Interest**

```
SELECT AVG(int_rate)*100 AS PMTD_Avg_Int_Rate FROM
bank_loan_data
WHERE MONTH(issue_date) = 11
```

```
PMTD_Avg_Int_Rate
11.9417175498261
```

## **Avg DTI**

SELECT AVG(dti)\*100 AS Avg\_DTI FROM bank\_loan\_data

```
Avg_DTI
13.3274331211432
```

## **MTD Avg DTI**

```
SELECT AVG(dti)*100 AS MTD_Avg_DTI FROM
bank_loan_data
WHERE MONTH(issue date) = 12
```

```
MTD_Avg_DTI
13.6655377880425
```

## **PMTD Avg DTI**

```
SELECT AVG(dti)*100 AS PMTD_Avg_DTI FROM
bank_loan_data
WHERE MONTH(issue_date) = 11
```

```
PMTD_Avg_DTI
13.3027335836364
```

### **GOOD LOAN ISSUED**

### **Good Loan Percentage**

```
SELECT
```

```
(COUNT(CASE WHEN loan_status = 'Fully Paid' OR
loan_status = 'Current' THEN id END) * 100.0) /
    COUNT(id) AS Good_Loan_Percentage
FROM bank_loan_data
```

```
Good_Loan_Percentage
86.175342181667
```

## **Good Loan Applications**

```
SELECT COUNT(id) AS Good_Loan_Applications FROM
bank_loan_data
WHERE loan_status = 'Fully Paid' OR loan_status =
'Current'
```

```
Good_Loan_Applications
33243
```

### **Good Loan Funded Amount**

```
SELECT SUM(loan_amount) AS Good_Loan_Funded_amount
FROM bank_loan_data
WHERE loan_status = 'Fully Paid' OR loan_status =
'Current'
```

```
Good_Loan_Funded_amount
370224850
```

### **Good Loan Amount Received**

```
SELECT SUM(total_payment) AS
Good_Loan_amount_received FROM bank_loan_data
WHERE loan_status = 'Fully Paid' OR loan_status =
'Current'
```

```
Good_Loan_amount_received 435786170
```

### **BAD LOAN ISSUED**

### **Bad Loan Percentage**

```
SELECT
   (COUNT(CASE WHEN loan_status = 'Charged Off'
THEN id END) * 100.0) /
   COUNT(id) AS Bad_Loan_Percentage
FROM bank loan data
```

Bad\_Loan\_Percentage 13.824657818332

## **Bad Loan Applications**

```
SELECT COUNT(id) AS Bad_Loan_Applications FROM
bank_loan_data
WHERE loan_status = 'Charged Off'
```

Bad\_Loan\_Applications 5333

### **Bad Loan Funded Amount**

```
SELECT SUM(loan_amount) AS Bad_Loan_Funded_amount
FROM bank_loan_data
WHERE loan_status = 'Charged Off'
```

```
Bad_Loan_Funded_amount
65532225
```

### **Bad Loan Amount Received**

```
SELECT SUM(total_payment) AS
Bad_Loan_amount_received FROM bank_loan_data
WHERE loan status = 'Charged Off'
```

```
Bad_Loan_amount_received 37284763
```

### **LOAN STATUS**

```
SELECT
    loan_status,
    COUNT(id) AS LoanCount,
    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
    bank_loan_data
GROUP BY
    loan_status
```

	loan_status	LoanCount	Total_Amount_Received	Total_Funded_Amount	Interest_Rate	DTI
1	Fully Paid	32145	411586256	351358350	11.6410707918092	13.1673507557434
2	Charged Off	5333	37284763	65532225	13.8785749318289	14.0047328005517
3	Current	1098	24199914	18866500	15.0993260800947	14.7243442736843

### **SELECT**

```
loan_status,
    SUM(total_payment) AS
MTD_Total_Amount_Received,
    SUM(loan_amount) AS MTD_Total_Funded_Amount
FROM bank_loan_data
WHERE MONTH(issue_date) = 12
GROUP BY loan status
```

loan_status	MTD_Total_Amount_Received	MTD_Total_Funded_Amount
Fully Paid	47815851	41302025
Charged Off	5324211	8732775
Current	4934318	3946625