

# 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
```

Total_Applications
38576

#### MTD Loan Applications

```
SELECT COUNT(id) AS Total_Applications FROM  
bank_loan_data  
WHERE MONTH(issue_date) = 12
```

Total_Applications
4314

#### PMTD Loan Applications

```
SELECT COUNT(id) AS Total_Applications FROM  
bank_loan_data  
WHERE MONTH(issue_date) = 11
```

Total_Applications
4035

#### 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
```

Total_Amount_Collected
58074380

### PMTD Total Amount Received

```
SELECT SUM(total_payment) AS Total_Amount_Collected
FROM bank_loan_data
WHERE MONTH(issue_date) = 11
```

Total_Amount_Collected
50132030

### 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