

BANK LOAN REPORT QUERY DOCUMENT

1. BANK LOAN REPORT | SUMMARY

KPI's :

Total Loan Applications

```
SELECT COUNT(id) AS Total_Loan_Applications FROM bank_loan_data
```

	Total_Loan_Applications
1	38576

MTD Loan Applications

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

	MTD_Total_Loan_Applications
1	4314

PMTD Loan Applications

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

	PMTD_Total_Loan_Applications
1	4035

Total Funded Amount

```
SELECT SUM(loan_amount) AS Total_Funded_amount FROM bank_loan_data
```

	Total_Funded_amount
1	435757075

MTD Total Funded Amount

```
SELECT SUM(total_payment) AS MTD_Total_Funded_amount FROM bank_loan_data  
WHERE MONTH(issue_date) = 12
```

	MTD_Total_Funded_amount
1	58074380

PMTD Total Funded Amount

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

	PMTD_Total_Funded_amount
1	50132030

Average Interest Rate

```
SELECT AVG(int_rate) AS Avg_intrest_rate FROM bank_loan_data
OR
SELECT ROUND(AVG(int_rate),4) * 100 AS Avg_intrest_rate FROM bank_loan_data
```

	Avg_intrest_rate
1	0.120488314172048

	Avg_intrest_rate
1	12.05

MTD Average interest Rate

```
SELECT ROUND(AVG(int_rate),4) * 100 AS Avg_MTD_intrest_rate FROM bank_loan_data
WHERE MONTH(issue_date) = 12
```

	MTD_Avg_intrest_rate
1	12.36

PMTD Average interest Rate

```
SELECT ROUND(AVG(int_rate),4) * 100 AS PMTD_Avg_intrest_rate FROM bank_loan_data
WHERE MONTH(issue_date) = 11
```

	PMTD_Avg_intrest_rate
1	11.94

Avg DTI

```
SELECT ROUND(AVG(dti),4) * 100 AS Avg_DTI FROM bank_loan_data
```

	Avg_DTI
1	13.33

MTD_Avg DTI

```
SELECT ROUND(AVG(dti),4) * 100 AS MTD_Avg_DTI FROM bank_loan_data
WHERE MONTH(issue_date) = 11
```

	MTD_Avg_DTI
1	13.67

PMTD_Avg DTI

```
SELECT ROUND(AVG(dti),4) * 100 AS PMTD_Avg_DTI FROM bank_loan_data
WHERE MONTH(issue_date) = 11
```

	PMTD_Avg_DTI
1	13.3

Good loan application Percentage

```
SELECT
  (COUNT(CASE WHEN loan_status = 'Fully Paid' OR loan_status = 'Current' THEN id END)* 100 )
  /
  COUNT(id) AS Good_loan_percentage
FROM bank_loan_data
```

	Good_loan_percentage
1	86

Total Good loan applications

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

	Total_good_loan_applications
1	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
1	370224850

Good loan Total Received amount

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

	Good_loan_received_amount
1	435786170

Bad loan application Percentage

```
SELECT
    (COUNT(CASE WHEN loan_status = 'Charged Off' THEN id END)* 100 )
    /
    COUNT(id) AS Bad_loan_percentage
FROM bank_loan_data
```

	Bad_loan_percentage
1	13.824657818332

Total Bad loan applications

```
SELECT COUNT(id) AS Total_bad_loan_applications FROM bank_loan_data
WHERE loan_status = 'Charged off'
```

	Total_bad_loan_applications
1	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
1	65532225

Bad loan Total Received amount

```
SELECT SUM(Total_payment) AS Bad_loan_received_amount FROM bank_loan_data
WHERE loan_status = 'Charged Off'
```

	Bad_loan_received_amount
1	37284763

Loan Status Grid View

```
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 Intrest_rate,
       AVG(dti*100) AS DTI
FROM
    bank_loan_data
GROUP BY
    loan_status
```

	loan_status	Total_loan_applications	Total_amount_received	Total_funded_amount	Intrest_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

MTD Loan Status Grid View

```
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
1	Fully Paid	47815851	41302025
2	Charged Off	5324211	8732775
3	Current	4934318	3946625