BANK LOAN REPORT QUERY DOCUMENT

A. BANK LOAN REPORT | SUMMARY

KPI's:

Total Loan Applications

```
SELECTCOUNT(id)ASTotal_ApplicationsFROMbank_loan_data
```

MTD Loan Applications

```
SELECTCOUNT(id)ASTotal_ApplicationsFROMbank_loan_data

WHEREMONTH(issue_date)= 12
```

PMTD Loan Applications

```
 SELECTCOUNT(id)ASTotal_ApplicationsFROMbank_loan_data

WHEREMONTH(issue_date)= 11
```

Total Funded Amount

```
SELECTSUM(loan_amount)ASTotal_Funded_AmountFROMbank_loan_data
```

MTD Total Funded Amount

```
SELECTSUM(loan_amount)ASTotal_Funded_AmountFROMbank_loan_data

WHEREMONTH(issue_date)= 12
```

PMTD Total Funded Amount

```
SELECTSUM(loan_amount)ASTotal_Funded_AmountFROMbank_loan_data

WHEREMONTH(issue_date)= 11
```

Total Amount Received

```
SELECTSUM(total_payment)ASTotal_Amount_CollectedFROMbank_loan_data
```

MTD Total Amount Received

```
SELECTSUM(total_payment)ASTotal_Amount_CollectedFROMbank_loan_data

WHEREMONTH(issue_date)= 12
```

PMTD Total Amount Received

```
SELECTSUM(total_payment)ASTotal_Amount_CollectedFROMbank_loan_data

WHEREMONTH(issue_date)= 11
```

Average Interest Rate

```
SELECTAVG(int_rate)*100 ASAvg_Int_RateFROMbank_loan_data
```

MTD Average Interest

```
SELECTAVG(int_rate)*100 ASMTD_Avg_Int_RateFROMbank_loan_data

WHEREMONTH(issue_date)= 12
```

PMTD Average Interest

```
SELECTAVG(int_rate)*100 ASPMTD_Avg_Int_RateFROMbank_loan_data

WHEREMONTH(issue_date)= 11
```

Avg DTI

```
SELECTAVG(dti)*100 ASAvg_DTIFROMbank_loan_data
```

MTD Avg DTI

```
SELECTAVG(dti)*100 ASMTD_Avg_DTIFROMbank_loan_data
```

```
WHEREMONTH(issue_date)= 12
```

PMTD Avg DTI

```
SELECTAVG(dti)*100 ASPMTD_Avg_DTIFROMbank_loan_data

WHEREMONTH(issue_date)= 11
```

GOOD LOAN ISSUED

Good Loan Percentage

```
SELECT

(COUNT(CASEWHENloan_status='Fully Paid'ORloan_status='Current'THEN id END)* 100.0)/

        COUNT(id)ASGood_Loan_Percentage

FROMbank_loan_data
```

Good Loan Applications

```
SELECTCOUNT(id)ASGood_Loan_ApplicationsFROMbank_loan_data

WHEREloan_status='Fully Paid'ORloan_status='Current'
```

Good Loan Funded Amount

```
SELECTSUM(loan_amount)ASGood_Loan_Funded_amountFROMbank_loan_data

WHEREloan_status='Fully Paid'ORloan_status='Current'
```

Good Loan Amount Received

```
SELECTSUM(total_payment)ASGood_Loan_amount_receivedFROMbank_loan_data

WHEREloan_status='Fully Paid'ORloan_status='Current'
```

BAD LOAN ISSUED

Bad Loan Percentage

```
SELECT

(COUNT(CASEWHENloan_status='Charged Off'THEN id END)* 100.0)/

        COUNT(id)ASBad_Loan_Percentage

FROMbank_loan_data
```

Bad Loan Applications

```
SELECTCOUNT(id)ASBad_Loan_ApplicationsFROMbank_loan_data

WHEREloan_status='Charged Off'
```

Bad Loan Funded Amount

```
SELECTSUM(loan_amount)ASBad_Loan_Funded_amountFROMbank_loan_data

WHEREloan_status='Charged Off'
```

Bad Loan Amount Received

```
SELECTSUM(total_payment)ASBad_Loan_amount_receivedFROMbank_loan_data

WHEREloan_status='Charged Off'
```

LOAN STATUS

```
        SELECT

loan_status,

COUNT(id)ASLoanCount,

SUM(total_payment)ASTotal_Amount_Received,

SUM(loan_amount)ASTotal_Funded_Amount,
```

```
AVG(int_rate* 100)ASInterest_Rate,

AVG(dti* 100)AS DTI

FROM

bank_loan_data

GROUPBY

loan_status


SELECT

        loan_status,

        SUM(total_payment)ASMTD_Total_Amount_Received,

        SUM(loan_amount)ASMTD_Total_Funded_Amount

FROMbank_loan_data

WHEREMONTH(issue_date)= 12

GROUPBYloan_status
```

B. BANK LOAN REPORT | OVERVIEW

MONTH

```
SELECT

        MONTH(issue_date)ASMonth_Munber,

        DATENAME(MONTH,issue_date)ASMonth_name,

        COUNT(id)ASTotal_Loan_Applications,

        SUM(loan_amount)ASTotal_Funded_Amount,

        SUM(total_payment)ASTotal_Amount_Received

FROMbank_loan_data

GROUPBYMONTH(issue_date),DATENAME(MONTH,issue_date)

ORDERBYMONTH(issue_date)
```

STATE

```
SELECT
        address_stateASState,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
GROUPBYaddress_state
ORDERBYaddress_state
```

TERM

```
SELECT
        term AS Term,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
GROUPBY term
ORDERBY term
```

EMPLOYEE LENGTH

```
SELECT
        emp_lengthAS Employee_Length,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
GROUPBYemp_length
ORDERBYemp_length
```

PURPOSE

```
SELECT
        purpose AS PURPOSE,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
GROUPBY purpose
ORDERBY purpose
```

HOME OWNERSHIP

```
SELECT
        home_ownershipASHome_Ownership,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
GROUPBYhome_ownership
```

```
ORDERBYhome_ownership
```

Note: We have applied multiple Filters on all the dashboards. You can check the results for the filters as well by modifying the query and comparing the results.

For e.g

See the results when we hit the Grade A in the filters for dashboards.

```
SELECT
        purpose AS PURPOSE,
        COUNT(id)ASTotal_Loan_Applications,
        SUM(loan_amount)ASTotal_Funded_Amount,
        SUM(total_payment)ASTotal_Amount_Received
FROMbank_loan_data
WHERE grade ='A'
GROUPBY purpose
ORDERBY purpose
```