BANK LOAN PROJECT

CREATED MEASURES

Create new table and containing date and month column make relationship between both the tables using date and issued date column.

```
Date Table = CALENDAR(MIN(financial_loan[issue_date]),
MAX(financial_loan[issue_date]))

Month = FORMAT('Date Table'[Date] ,"mmm")

Month Number = MONTH('Date Table'[Date])
```

Total Loan Applications:

```
Total Loan Applications = COUNT(financial_loan[id])

MTD Loan Applications = CALCULATE(TOTALMTD([Total Loan Applications],
'Date Table'[Date]))

PMTD Loan Applications = CALCULATE([Total Loan Applications],
DATESMTD(DATEADD('Date Table'[Date] ,-1,MONTH)))

MoM Loan Applications = ([MTD Loan Applications]-[PMTD Loan
Applications]) / [PMTD Loan Applications]
```

Total Funded Amount:

```
Total Funded Amount = SUM(financial_loan[loan_amount])

MTD Funded Amount = CALCULATE(TOTALMTD([Total Funded Amount], 'Date
Table'[Date]))

PMTD Funded Amount = CALCULATE([Total Funded Amount],
DATESMTD(DATEADD('Date Table'[Date] ,-1,MONTH)))
```

```
MoM Funded Amount = ([MTD Funded Amount]-[PMTD Funded Amount]) / [PMTD Funded Amount]
```

Total Received Amount:

```
Total Received Amount = SUM(financial_loan[total_payment])

MTD Total Received Amount = CALCULATE(TOTALMTD([Total Received Amount], 'Date Table'[Date]))

PMTD Received Amount = CALCULATE([Total Received Amount], DATESMTD(DATEADD('Date Table'[Date] ,-1,MONTH)))

MoM Received Amount = ([MTD Total Received Amount]-[PMTD Received Amount]) / [PMTD Received Amount]
```

Average Interest Rate:

```
Average Interest Rate = AVERAGE(financial_loan[int_rate])

MTD Avg Interest Rate = CALCULATE(TOTALMTD([Average Interest Rate], 'Date Table'[Date]))

PMTD Avg Interest Rate = CALCULATE([Average Interest Rate], DATESMTD(DATEADD('Date Table'[Date] ,-1,MONTH)))

MoM Avg Interest Rate = ([MTD Avg Interest Rate]-[PMTD Avg Interest Rate]) / [PMTD Avg Interest Rate]
```

Avg DTI:

```
Avg DTI = AVERAGE(financial_loan[dti])

MTD Avg DTI = CALCULATE(TOTALMTD([Avg DTI], 'Date Table'[Date]))

PMTD Avg DTI = CALCULATE([Avg DTI], DATESMTD(DATEADD('Date Table'[Date] ,-1,MONTH)))

MoM Avg DTI = ([MTD Avg DTI]-[PMTD Avg DTI]) / [PMTD Avg DTI]
```

 # GROUP GOOD LOAN AND BAD LOAN USING GROUP FUNCTION .

Good Loan:

```
Good Loan % =
    (CALCULATE(
        [Total Loan Applications],
        financial_loan[Good vs Bad Loan] = "Good Loan"
    )) / [Total Loan Applications]
```

```
Good Loan Applications = CALCULATE([Total Loan Applications],financial_loan[Good vs Bad Loan]= "Good Loan")
```

```
Good Loan Funded Amount = CALCULATE([Total Funded Amount],financial_loan[Good vs Bad Loan]= "Good Loan")
```

```
Good Loan Recieved Amount = CALCULATE([Total Received Amount],financial_loan[Good vs Bad Loan]= "Good Loan")
```

Bad Loan:

```
Bad Loan % = DIVIDE(CALCULATE([Total Loan Applications],financial_loan[Good vs Bad Loan] = "Bad Loan"),[Total Loan Applications])
```

```
Bad Loan Applications = CALCULATE([Total Loan Applications],financial_loan[Good vs Bad Loan]= "Bad Loan")
```

```
Bad Loan Funded Amount = CALCULATE([Total Funded Amount],financial_loan[Good vs Bad Loan]= "Bad Loan")
```

```
Bad Loan Recieved Amount = CALCULATE([Total Received Amount],financial_loan[Good vs Bad Loan]= "Bad Loan")
```

 # create new measure

```
New Measure = {
    ("Total Funded Amount", NAMEOF('financial_loan'[Total Funded Amount]), 0),
    ("Total Loan Applications", NAMEOF('financial_loan'[Total Loan Applications]), 1),
    ("Total Received Amount", NAMEOF('financial_loan'[Total Received Amount]), 2)
}
```