📐 DAX Measures – Bank Loan Analysis Dashboard

This document outlines all DAX measures used to build the Bank Loan Analysis Dashboard. These formulas help compute KPIs, trends, and ratios for visual analytics.

## Total Loan Applications

Total Loan Applications = COUNT('LoanData'[Loan\_ID])

## Total Funded Amount

Total Funded Amount = SUM('LoanData'[Funded\_Amount])

## Total Amount Received

Total Amount Received = SUM('LoanData'[Amount\_Received])

## Average Interest Rate

Avg Interest Rate = AVERAGE('LoanData'[Interest\_Rate])

## Average DTI (Debt to Income Ratio)

Avg DTI = AVERAGE('LoanData'[DTI])

## MTD Funded Amount

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

## MTD Amount Received

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

## MTD Loan Applications

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

## MoM Funded Amount % Change

MoM Funded % =   
VAR CurrentMonth = [Total Funded Amount]  
VAR LastMonth = CALCULATE([Total Funded Amount], PARALLELPERIOD('Date'[Date], -1, MONTH))  
RETURN DIVIDE(CurrentMonth - LastMonth, LastMonth, 0)

## MoM Amount Received % Change

MoM Received % =   
VAR CurrentMonth = [Total Amount Received]  
VAR LastMonth = CALCULATE([Total Amount Received], PARALLELPERIOD('Date'[Date], -1, MONTH))  
RETURN DIVIDE(CurrentMonth - LastMonth, LastMonth, 0)

## MoM Loan Applications % Change

MoM Loan % =   
VAR CurrentMonth = [Total Loan Applications]  
VAR LastMonth = CALCULATE([Total Loan Applications], PARALLELPERIOD('Date'[Date], -1, MONTH))  
RETURN DIVIDE(CurrentMonth - LastMonth, LastMonth, 0)

## Good Loan Applications

Good Loan Applications = CALCULATE([Total Loan Applications], 'LoanData'[Loan\_Status] IN { "Fully Paid", "Current" })

## Bad Loan Applications

Bad Loan Applications = CALCULATE([Total Loan Applications], 'LoanData'[Loan\_Status] = "Charged Off")

## Good Loan Funded Amount

Good Loan Funded Amount = CALCULATE([Total Funded Amount], 'LoanData'[Loan\_Status] IN { "Fully Paid", "Current" })

## Bad Loan Funded Amount

Bad Loan Funded Amount = CALCULATE([Total Funded Amount], 'LoanData'[Loan\_Status] = "Charged Off")

## Good Loan Received Amount

Good Loan Received Amount = CALCULATE([Total Amount Received], 'LoanData'[Loan\_Status] IN { "Fully Paid", "Current" })

## Bad Loan Received Amount

Bad Loan Received Amount = CALCULATE([Total Amount Received], 'LoanData'[Loan\_Status] = "Charged Off")

## % of Good Loans

% Good Loans = DIVIDE([Good Loan Applications], [Total Loan Applications])

## % of Bad Loans

% Bad Loans = DIVIDE([Bad Loan Applications], [Total Loan Applications])