**FINANCE DOMAIN: BANK LOAN DATA ANALYSIS**

*Problem Statement: Our bank needs a thorough Bank Loan Report to meticulously monitor and evaluate lending activities and performance. This report will delve into essential loan-related metrics and their longitudinal changes, facilitating informed decision-making, continual portfolio health assessment, and the derivation of insights to shape forthcoming lending strategies*.

**DASHBOARD 1: SUMMARY:**

**Key Performance Indicators (KPIs) Requirements:**

1. Calculate total loan applications received and monitor Month-to-Date (MTD) and Month-over-Month (MoM) changes.

2. Track total funded amount disbursed as loans, including Month-to-Date (MTD) and Month-over-Month (MoM) analysis.

3. Monitor total amount received from borrowers, analyzing Month-to-Date (MTD) and Month-over-Month (MoM) changes.

4. Calculate average interest rate across all loans and monitor Month-over-Month (MoM) variations.

5. Evaluate average Debt-to-Income Ratio (DTI) for borrowers, including Month-to-Date (MTD) analysis and Month-over-Month (MoM) fluctuations**.**

**Good Loan v Bad Loan KPI’s**

**Good Loan KPIs:**

1. Measure the Bad Loan Application Percentage by calculating the proportion of loan applications labeled as 'Bad Loans,' comprising loans with a 'Charged Off' status.

2. Quantify the number of Bad Loan Applications, representing the total count of loan applications categorized as 'Bad Loans,' characterized by a 'Charged Off' status.

3. Determine the Good Loan Application Percentage by computing the ratio of loan applications classified as 'Good Loans,' which include loans marked as 'Fully Paid' and 'Current.'

4. Identify the total count of Good Loan Applications, representing the number of loan applications falling under the 'Good Loan' category, comprising loans with a 'Fully Paid' and 'Current' status.

5. Calculate the total amount disbursed as Good Loans by assessing the Good Loan Funded Amount, which includes the principal sums of loans with a 'Fully Paid' and 'Current' status.

6. Track the total amount received from borrowers for Good Loans with the Good Loan Total Received Amount, encompassing all payments made on loans marked as 'Fully Paid' and 'Current.'

**Bad Loan KPIs:**

**Same as calculated for bad loan**

**DASHBOARD 2: OVERVIEW**

**DASHBOARD 3: DETAILS**

# For more details check : [GITHUB PROJECT LINK](https://shorturl.at/elrCK)