Instructions for the Test (For Final_Standardized_Loan_Data)

1. **Data Cleaning:**

   o Identify and resolve missing or invalid values.

   o Fix formatting errors (e.g., inconsistent casing in names).

   o Remove duplicate records. (Applicant Name records)

   o Address logical errors (e.g., mismatched dates).

   o Separate Address column to House number Street Name, State, zip code

2. **Data Transformation:**

   o We want the co-borrower and co-borrower 1 details against each loan ID in a single row & separate column.

   o Add columns:

   ▪ Loan Processing Time: Difference between sanction and applied dates.

   ▪ Sanctioned Percentage: Ratio of sanctioned to applied amount.

   Report:

   o Create a charts or cards from which we can analyze the below information

   ▪ Application count by State.

   ▪ How many loans exceed a processing time of 30 days?

   ▪ Which region has the highest average loan amount?

   ▪ Average applied and sanctioned amounts.

Instructions for the Test (For Testdata1)

1. **Data Cleaning:**

    o Resolve estimated time and actual time format

        ▪ Time should be in hh:mm:ss

    o Remove duplicate records if any.

2. **Transformation**

    o Calculate the difference between Estimated Vs Actual time [hh:mm:ss]

3. **Report:**

    o Create a charts or cards from which we can analyze the below information

        ▪ Include Slicer for Department

        ▪ Cards for Count of Internal Project, Client Project

        ▪ Pie Chart for Project Count by Department

        ▪ List top 5 projects on which the time spent is higher

Note: Both reports should be in a single pbix file