

Data Collection and Preprocessing Phase

Date	19 June 2025
Team ID	SWTID1750050475
Project Title	SmartLender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Report:

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan:

Section	Description
Project Overview	The machine learning project aims to predict loan approval based on applicant information. Using a dataset with features such as gender, marital status, income, and credit history, the objective is to build a model that accurately classifies loan status (approved or denied), facilitating efficient and informed decision-making in the lending process.
Data Collection Plan	<ul style="list-style-type: none"> Search for datasets related to loan approvals, financial information, and applicant details. Prioritize datasets with diverse demographic information.
Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Kaggle & UCI, the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as gender,

	marital status, income, and loan-related details for machine learning analysis.
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Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The dataset comprises applicant details (gender, marital status), financial metrics (income, loan amount), and loan approval outcomes.	https://www.kaggle.com/datasets/vikasukani/loan-eligible-dataset?select=loan-train.csv	CSV	15 kB	Public
UCI	This data concerns credit card applications; a good mix of attributes	https://archive.ics.uci.edu/dataset/27/credit+approval	CSV	13.6 kB	Public