



Data Collection and Preprocessing Phase

Data Collection Plan & Raw Data Sources Identification Report:

The key raw dataset was obtained from Kaggle's "Loan Prediction Problem" competition archive. A sample is provided as **loan_prediction.csv** (614 rows × 13 cols).

Data Collection Plan:

Section	Description		
Project Overview	We aim to build a machine-learning model that predicts whether a loan application will be approved, based on demographic, financial, and credit attributes supplied by applicants.		
Data Collection Plan	 Prioritise public datasets with rich applicant-level features (gender, income, credit history, etc.). Source primary loan-approval data from reputable repositories (Kaggle/UCI) Acquire supplementary credit-bureau information if required. Ensure licensing permits academic use. Validate schema consistency across sources prior to merge. 		
Raw Data Sources Identified	The key raw dataset was obtained from Kaggle's "Loan Prediction Problem" competition archive. A sample is provided as loan_prediction.csv (614 rows × 13 cols).		







Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	Historic bank-loan records with demographics, incomes, loan terms, and target label Loan_Status.	https://www.kaggle.com/datasets/altruistdelhite04/loan-prediction-problem-dataset	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	14 kB	Public