PROJECT 4: MACHINE LEARNING INTEGRATION

Introduction:

For our fourth project, we will be developing a Home Loan Approval Predictor. The main goal of this project is to create a tool that allows users to input various parameters, such as gender, marital status, dependents, educational level, loan amount, etc. and predict whether they will be approved for a home loan.

Key Details:

* Project Name: Home Loan Approval Predictor;
* Data Source: We will be using a dataset from Kaggle, which can be found at the following URL: <https://www.kaggle.com/datasets/rishikeshkonapure/home-loan-approval?select=loan_sanction_train.csv>. The dataset contains relevant features that will be essential for training our machine learning model;
* Team Members: we are group 1, with the following team members:
  + Fedorenko Olena
  + Chen, Xing Ying
  + Saliaj, Evis
  + Nys, Brecht

Approach:

We have not yet finalized the specific machine learning model that we will use for the prediction. We have several options, ranging from simple models like logistic regression to more complex models such as deep learning algorithms.