

REPORT

Lab7.Loan Approval Classification using SVM

In this lab we have learned to build a classification model to classify the loan applicants into eligible applicants or not eligible applicants by using Support Vector Machine.

Our first step is to check the properties of given data and clean if any missing values occur then for better understanding who got their loan approved, we just visualize using count plot for those who married, graduates, self-employed likewise.

Perform one hot encoding to categorical columns just simply by using `pd.get_dummies()` then build a LinearSVC model print accuracy value and `classification_report` then finally compare the performance of LinearSVC against LogisticRegression similarly for LinearSVC against SGDClassifier.