Prediction of Modernized Loan Approval System Based on Machine Learning Approach

ABSTRACT

Technology has boosted the existence of humankind the quality of life they live. Every day we are planning to create something new and different. We have a solution for every other problem we have machines to support our lives and make us somewhat complete in the banking sector candidate gets proofs/ backup before approval of the loan amount. The application approved or not approved depends upon the historical data of the candidate by the system. Every day lots of people applying for the loan in the banking sector but Bank would have limited funds. In this case, the right prediction would be very beneficial using some classes-function algorithm. An example the logistic regression, random forest classifier, support vector machine classifier, etc. A Bank's profit and loss depend on the amount of the loans that is whether the Client or customer is paying back the loan. Recovery of loans is the most important for the banking sector. The improvement process plays an important role in the banking sector. The historical data of candidates was used to build a machine learning model using different classification algorithms. The main objective of this paper is to predict whether a new applicant granted the loan or not using machine learning models trained on the historical data set

SYSTEM REQIURMENTS

H/W System Configuration:

- Processor Pentium / Intel core
- RAM 4 GB(min)
- Hard Disk 20 GB

SOFTWARE REQUIREMENT:

- ✓ Operating System : Windows family
- ✓ Coding Language : Python
- ✓ Front-end : Python
- ✓ Database : MYSQL(WAMP Server)