Abstract

A Meta Classifier in this approach is used for the approval of Loan application, as a Data mining classification tool to support Business operations in a very secure way. The goal of designing a Meta classifier system is to achieve the best possible classification performance for the task of effective decision making. This Meta classifier is the combination of Naïve Bayesian classifier, K-Nearest Neighbor and Fuzzy Set approach. This classifier focuses on combination schemes of multiple classifiers to achieve better classification performance than that obtained by individual models, which in turn is used in providing loans to the customers by verifying the various details relating to the loan such as amount of loan, lending rate, loan term, type of
property, income and credit history of the customer etc. The Meta Classifier helps in analyzing the involvement of risk and behavior of the customers by distinguishing borrowers who repay loans promptly from those who don’t, hence reducing the loss of revenue.

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Index Terms

Computer Science

Information Sciences
Keywords
Meta Classifier  Naïve Bayesian Classifier  K- Nearest Neighbor  Fuzzy Set Theory