

Abstract Details

Title: Multi Relational Classifications based on Association Rule (MCAR) using RBF Neural Network

Author: Swati Khare, Anju Singh

Abstract: Data classification is a demanding task in the area of machine learning. Now a days in every field such as online data dispensation, pattern recognition, pattern classification, medical diagnosis are required classification of data. MCAR employs a novel data structure, association rule, to compactly store and efficiently retrieve a large number of rules for classification. Association rule is a prefix rule structure to explore the sharing among rules, which achieves substantial compactness. We use classification using association rules not only to solve classification problems, but also to compare the quality of different association rule mining approaches. In this context we show that the quality of rule sets from the standard algorithm for association rule mining can be improved by using a different association rule mining strategy. In this paper we used wine data set provided by UCI machine learning website. Proposed approach implement in mat lab 7.8.0. Matlab is high computational and algorithm based computational software.

Keywords: Associative Classification, MRDM, MCAR, RBF.