

Abstract

Nowadays, there is a number of rule-based classification methods. Inductive Logic Programming (ILP) is one of popular methods because of its expressive power. However, a major disadvantage of ILP is long time spent on training process. Moreover, some researches have been conducted to discover the regular patterns in data set and present such patterns in the form of first order association rules. But none of those works has been proposed the use of the discovered patterns to classify new examples. Hence, we present the method which can use these first order association rules to collaboratively classify the new examples. Finally, our method is aimed to construct the classification method that can be learned in a short time and can retain accuracy.