

Abstract

Inductive Logic Programming (ILP) has been widely used to apply in Data Mining domains. However, one disadvantage of the ILP method is very long training process especially in large hypothesis. To solve this problem, many works have been conducted in parallelism and multi-agent styles. But no work has proposed rules combining methods. Hence, we propose a novel method which can combine the rules from multiple learners by exchanging some part of rules to construct and improve the learned rules. To evaluate our method, we compare our method to another two simple rules combining methods, namely collecting all rules from all learners and selecting the best rules on entire training set. The experimental results show the higher accuracy of the proposed method.