Abstract Details

Title: Apriori Based Classification using WEKA

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Abstract: Multivariate time series analysis has attracted considerable attention in the computational biology due to the ability to measure mRNA expression level of thousands of genes simultaneously with high-throughput microarray technology. Various computational techniques including association rule mining, clustering, Boolean networks, and Bayesian networks, have been applied to elucidate gene regulatory relationships from time series microarray data. The research implements the classification with association and apply Apriori algorithm to generate the rules of association. Then these rules are used for the classification. For analyzed the process it can use the supermarket dataset available with WEKA. The supermarket dataset is a time series dataset that keep record of the sales at a supermarket. The sales are used to classify the class of goods. The proposed work firstly uses the association to relate various items then classify them by the classification algorithm.

Keywords: Data Mining, Classification, Association, APRORI.