Abstract

There is a vast need to develop analytical attitude to analyze and to make use of the information contained in gene expression data. A narrative approach for cancer prediction (similarity gene) from DNA microarray data, First apply feature selection using parametric and nonparametric feature selection methods to extract features and select exact feature by combining both methods then apply principal component analysis in microarray data to reduce dimensionality. Then the selected principal components are clustered and classified using self organizing map and compare the results.
Data Analysis on DNA Microarray Expression Values using Self Organizing Map

References


Index Terms

Computer Science

Information Sciences
Keywords
Data Mining  Clustering  Microarray Data  Feature Selection  Som.