Abstract

Attribute selection is generally considered as a challenging work in the development of image data mining oriented applications. Attribute subset selection is mainly an optimization problem, which involves searching the space of possible feature subsets to select the one that is optimal or nearly optimal with respect to the performance measures accuracy, complexity etc., of the application. This paper presents a comparative evaluation of several attribute selection methods based on the performance accuracy of different tree based supervised classification for mammogram images of MIAS database.

**Index Terms**

Computer Science  
Data Mining

**Key words**

Data mining  
Attribute selection  
Feature subset  
mammogram images