

## Abstract Details

**Title:** Behavior of Classification & Clustering Algorithms on Diverse Data

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**Abstract:** Decision Tree is well known and widely used method of classification. Decision tree is simple and easy to interpret as classification rule. Attribute selection is considered as a challenging job in various data mining applications like student result prediction, medical diagnosis, fraud detection, credit card analysis etc. Various Decision Tree algorithms were developed to ease decision making process. Besides classification there are many clustering techniques like DB Scan, Hierarchical, K-means clustering technique. This paper presents Comparative evaluation among various decision trees algorithms and Clustering Techniques in terms of various criteria of classification accuracy, time taken to build model and size of tree.

**Keywords:** Decision Tree, Classification Algorithms, Split criteria.