**Synopsis**

**TITLE: Efficient clustering algorithm to segregate tests based on execution behavior**

Machine learning technique for finding hidden patterns or intrinsic structures in data

Unsupervised learning is a type of machine learning algorithm used to draw inferences from data sets consisting of input data without labeled responses.

The most common unsupervised learning method is cluster analysis, which is used for exploratory data analysis to find hidden patterns or grouping in data. The clusters are modeled using a measure of similarity which is defined upon metrics such as Euclidean or probabilistic distance.

**Keywords**

SQL, k-means clustering, anomaly detection, patter matching, unsupervised learning