

Assignment-3

Machine Learning(Answer Sheet)

Ans.1 (b) Market trend prediction

Ans.2 (d) None

Ans.3 (c) Reinforcement learning and unsupervised learning

Ans.4 (d) All of the above

Ans.5 (c) Initial guess as to cluster centroids

Ans.6 (c) k-nearest neighbors is same as k-means

Ans.7 (d) Single-link, Complete-link and Average-link

Ans.8 (a) 1only

Ans.9 (a) 2

Ans.10 (b) Given a database of information about your users, automatically group them into different market segments

Ans.11 (b)

Ans.12 (a)

Ans.13 Clustering is an important function in data analysis and data mining. It helps in understanding the natural grouping in a data set. The purpose of making partition the data into some logical group. These logical groups are very useful to classifies data into similar groups.

Ans.14 Using different validation method, we can improve the clustering performance like Silhouette (clustering), k-means cluster etc. These are some of best method which improve clustering performance.