

MACHINE LEARNING ASSIGNMENT - 3

Q1 d) All of the above

Q2 d) None

Q3 c) Reinforcement learning and Unsupervised learning

Q4 b) The tree representing how close the data points are to each other

Q5 d) None

Q6 c) k-nearest neighbour is same as k-means

Q7 d) 1, 2 and 3

Q8 a) 1 only

Q9 a) 2

Q10 b) Given a database of information about your users, automatically group them into different market segments.

Q11 a)

Q12 b)

Q13 Importance of clustering:

- It determines the intrinsic grouping among the unlabelled data present. Eg customer segmentation

Q14 To improve, clustering performance we can use Silhouette coefficient.

Also, Principal Component Analysis can be used before K-means clustering to improve clustering performance.