

Machine Learning Assignment-3

Answers:

1. (d) All of the above
2. (d) None
3. (c) Reinforcement learning and Unsupervised learning
4. (b) The tree representing how close the data points are to each other
5. (d) None
6. (c) k-nearest neighbour is same as k-means
7. d. 1, 2 and 3
8. (a) 1 only (Clustering analysis is negatively affected by multicollinearity of features)
9. (a) 2
10. (d) Given historical weather records, predict if tomorrow's weather will be sunny or rainy.
11. (b)
12. (b)
13. Important of Clustering:
 - The clustering analysis has been used for model analysis, vector region of attraction.
 - They are used in outlier detections to detect credit card fraudulence.
14. Applying unsupervised features learning to input data using either RICA or SFT, improves clustering performance.