

# MACHINE LEARNING

1. B

2. C

3. D

4. A

5. B

6. D

7. D

8. B

9. A

10. A

11. D

12. A

13. The cluster analysis calculator use the k-means algorithm: The users chooses k, the number of clusters. 1. Choose randomly k centers from the list. 2. Assign each point to the closest center. 3. Calculate the center of each cluster, as the average of all the points in the cluster.

14. We can use the clustering validity index, such as WB index, DB index or BIC.

15. Clustering is a type of unsupervised learning method of machine learning. In the unsupervised learning method, the inferences are drawn from the data sets which do not contain labelled output variable. It is an exploratory data analysis technique that allows us to analyze the multivariate data sets.