socrative

DM-Spring-2020-Q8-Grade 15 Questions

1. Cluster Analysis is

10/12 **A** Unsupervised learning technique

2/12 **B** Supervised learning technique

0/12 **C** I do not know

2. Distance between records and distance between clusters are the same

2/12 **A** True

10/12 **B** False

0/12 **C** I do not know

3. Which of these is the measure of between clusters distance?

0/12 **A** Single link

0/12 **B** Complete link

1/12 **C** Average link

2/12 **D** Centroid

9/12 **E** All of them

0/12 **F** I do not know

4. Single link is

11/12 **A** the smallest distance between an element in one cluster and an element in the other

0/12 **B** the largest distance between an element in one cluster and an element in the other

0/12 **C** the average distance between an element in one cluster and an element in the other

1/12 **D** distance between the centroids of two clusters

0/12 **E** I do not know

5. Complete link is

0/12 **A** the smallest distance between an element in one cluster and an element in the other

10/12 **B** the largest distance between an element in one cluster and an element in the other

1/12 **C** the average distance between an element in one cluster and an element in the other

1/12 **D** distance between the centroids of two clusters

0/12 **E** I do not know

6. Which of these is the nested algorithm of clustering?

12/12 **A** Hierarchical clustering

0/12 **B** k-means

0/12 **C** Knn

0/12 **D** I do not know

7. Which of these is the unnested algorithm of clustering?

2/12 **A** Hierarchical clustering

7/12 **B** k-means

3/12 **C** Knn

0/12 **D** I do not know

8. Which of these is the type of hierarchical clustering?

2/12 **A** Agglomerative Methods

0/12 **B** Divisive Methods

10/12 **C** Both

0/12 **D** I do not know

9. This function can be used to perform hierarchical clustering in R

9/12 **A** hclust()

3/12 **B** cluster()

0/12 **C** hierarchical ()

0/12 **D** I do not know

10. This function can be used to perform k-means clustering in R

11/12 **A** kmeans()

0/12 **B** kclust()

1/12 **C** kmenscl()

0/12 **D** I do not know

11. Do we need to worry about scaling in clustering?

8/12 **A** Yes

4/12 **B** No

0/12 **C** I do not know

12. The goal of Cluster Analysis is

10/12 **A** That the objects within a group be similar (or related) to one another and different from (or unrelated to) the objects in other groups

0/12 **B** That the objects within a group be different from (or unrelated to) to one another and similar (or related) the objects in other groups

1/12 **C** That the objects within a group be similar (or related) to one another and the same for the objects in other groups

1/12 **D** To classify the object as similar as did in the data

0/12 **E** I do no know

13. Cluster Analysis can be considered as

11/12 **A** unsupervised classification

1/12 **B** supervised classification

0/12 **C** supervised regression

0/12 **D** I do not know

14. Exclusive clustering

10/12 **A** Assign each object to a single cluster

1/12 **B** Assign each object to more than one cluster

1/12 **C** Assign each object to cluster with the highest number of data points

0/12 **D** I do not know

15. Partial clustering can be considered if

9/12 **A** some objects in a data set may not belong to well-defined groups

2/12 **B** assigns every object to a cluster

1/12 **C** assigns every object to a cluster with some probability

0/12 **D** I do not know