socrative

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# DM-Spring-2020-Q8-Grade 93.33% (14/15)

✓ **1.** Cluster Analysis is

- A Unsupervised learning technique
- B Supervised learning technique
- C I do not know

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

- A True
- B False
- C I do not know

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

- A Single link
- B Complete link
- C Average link
- D Centroid
- E All of them
- F I do not know

✓ **4.** Single link is

- A the smallest distance between an element in one cluster and an element in the other
- B the largest distance between an element in one cluster and an element in the other
- C the average distance between an element in one cluster and an element in the other
- D distance between the centroids of two clusters
- E I do not know

✓ **5.** Complete link is

A the smallest distance between an element in one cluster and an element in the other
B the largest distance between an element in one cluster and an element in the other
C the average distance between an element in one cluster and an element in the other
D distance between the centroids of two clusters
E I do not know

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

A Hierarchical clustering
B k-means
C Knn
D I do not know

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

A Hierarchical clustering
B k-means
C Knn
D I do not know

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

A Agglomerative Methods
B Divisive Methods
C Both
D I do not know

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

A hclust()
B cluster()
C hierarchical ()
D I do not know

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

- A kmeans()
- B kclust()
- C kmenscl()
- D I do not know

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

- A Yes
- B No
- C I do not know

**12.** The goal of Cluster Analysis is

- 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
- 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
- C That the objects within a group be similar (or related) to one another and the same for the objects in other groups
- D To classify the object as similar as did in the data
- E I do no know

**13.** Cluster Analysis can be considered as

- A unsupervised classification
- B supervised classification
- C supervised regression
- D I do not know

**14.** Exclusive clustering

- A Assign each object to a single cluster
- B Assign each object to more than one cluster
- C Assign each object to cluster with the highest number of data points
- D I do not know

✓ **15.** Partial clustering can be considered if

A some objects in a data set may not belong to well-defined groups

B assigns every object to a cluster

C assigns every object to a cluster with some probability

D I do not know