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May 13, 2020

DM-Spring-2020-Q8-Grade

100% (15/15)

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