

## 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
  - 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
  - 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

<b>/</b>	5.	Complete link is
	A	the smallest distance between an element in one cluster and an element in the other
	В	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
<b>/</b>	6.	Which of these is the nested algorithm of clustering?
	A	Hierarchical clustering
	В	k-means
	C	Knn
	D	I do not know
<b>/</b>	7.	Which of these is the unnested algorithm of clustering?
	A	Hierarchical clustering
	В	k-means
	C	Knn
	D	I do not know
<b>/</b>	8.	Which of these is the type of hierarchical clustering?
	A	Agglomerative Methods
	В	Divisive Methods
	C	Both
	D	I do not know
<b>/</b>	9.	This function can be used to perform hierarchical clustering in R
	A	hclust()
	В	cluster()
	C	hierarchical ()
	D	I do not know

<b>/</b>	10.	This function can be used to perform k-means clustering in R
	A	kmeans()
	В	kclust()
	C	kmenscl()
	D	I do not know
<b>/</b>	11.	Do we need to worry about scaling in clustering?
	A	Yes
	В	No
	C	I do not know
<b>/</b>	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
	В	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
<b>/</b>	13.	Cluster Analysis can be considered as
	A	unsupervised classification
	В	supervised classification
	C	supervised regression
	D	I do not know
<b>/</b>	14.	Exclusive clustering
	A	Assign each object to a single cluster
	В	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