Which learning is the method of finding structure in the data without labels.

unsupervised

Each point is a cluster in itself. We then combine the two nearest clusters into one. What type of clustering does this represent ? agglomerative

of a set of points is defined using a distance measure . similarity

What is a preferred distance measure while dealing with sets ? jaccard

Unsupervised learning focuses on understanding the data and its underlying pattern.true

Members of the same cluster are far away / distant from each other . false

\_\_\_ measures the goodness of a cluster cohesion

\_\_\_ of two points is the average of the two points in Eucledian Space.

Centroid

What is the overall complexity of the the Agglomerative Hierarchical Clustering ? O(N^3)

\_\_\_ is the data point that is closest to the other point in the cluster.

clusteroid

The \_\_\_\_\_\_ is a visual representation of how the data points are merged to form clusters. Dendogram

A centroid is a valid point in a non-Eucledian space . false

The number of rounds for convergence in k means clustering can be lage

True

K Means algorithm assumes Eucledian Space/Distance true

\_ is when points don't move between clusters and centroids stabilize. convergence

Hierarchical Clustering is a suggested approach for Large Data Sets

false

\_\_\_ is a way of finding the k value for k means clustering. random walk\*

Sampling is one technique to pick the initial k points in K Means Clustering True

Final: 10/10

1. What is a preferred distance measure while dealing with sets? jaccard

2. K Means algorithm assumes Eucledian Space/Distance true

3. Hierarchical Clustering is a suggested approach for Large Data Sets false

4. Which learning is the method of finding structure in the data without labels. Unsupervised

5. What is the R Function to divide a dataset into k clusters ? kmeans()

6. \_\_\_\_\_\_\_\_\_\_\_ measures the goodness of a cluster cohesion

7. Sampling is one technique to pick the initial k points in K Means Clustering true

8. What is the overall complexity of the the Agglomerative Hierarchical Clustering ? O(N^3)

9. A centroid is a valid point in a non-Eucledian space . false

10. What is the R function to apply hierarchical clustering to a matrix of distance objects ? hclust()