Hierarchical Clustering

Interview Questions & Answers

1.Group of alike data points is known as
a) Clusters
b) Simple points
c) Group points
d) None
Answer - a) Clusters

2.From the below find the data types on which we can perform clustering
a) Graphs
b) Time-series data
c) Multimedia data
d) All the above
Answer - d) All the above

3.Agglomerative clustering is an example of_____ .
a) Hierarchical
b) Distance-based clustering
c) Both a and b
d) K means
Answer - c) Both a and b

4.Clustering analysis is unsupervised learning since it does not require _____ training data.
a) Unlabeled
b) Labeled
c) Both
d) None of the above
Answer - b) Labeled

5.A tree diagram used to show the arrangement of clusters in hierarchical clustering is known as_____.
a) Bar plot diagram
b) Histogram
c) Dendrogram
d) None
Answer - c) Dendrogram

6.From the below, select the types of hierarchical clustering
a) Divisive
b) Agglomerative
c) K means
d) Both a and b
Answer - d) Both a and b

7.Visualization of clustering results will be done only when we have two-dimensional data.
a) True
b) False
Answer - b) False

8.We should know the no. of output clusters is a prior for all clustering algorithms.
a) True
b) False
Answer - b) False

9._____ is used most frequently to measure similarity
a) Manhattan Distance
b) Euclidean distance
c) Far by distance
d) None of the above
Answer - b) Euclidean distance

10._____stores the distances between each point.
a) Proximity matrix
b) Primary matrix
c) Minor data matrix
d) Proximity sensor
Answer - a) Proximity matrix

11.Agglomerative Clustering is the _____.
a) Top-down approach
b) Bottom-up approach
c) Side to side approach
d) Center to end approach
Answer - b) Bottom up approach

12.Divisive Clustering is the _____
a) Top-down approach
b) Bottom-up approach
c) Side to side approach
d) Center to end approach
Answer - a) Top-down approach

13.From the below find the methods used to measure the similarity
a) Single linkage
b) Complete linkage
c) Average linkage
d) All the above
Answer - d) All the above

14.Hierarchical clustering is also used for _____.
a) Finding na
b) Outlier detection
c) Fake value detection
d) All the above
Answer - b) Outlier Detection

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