Assignment no 1

Q.1)MCQ

1.B

2.A

3.D

4.A

5.C

6.D

7.A

8.B

9.A

10.A

11.D

12.A

13.Cluster analysis is the process of finding similar group of objects in form of cluster .

This comes under unsupervised machine learning.

Properties

1.Clustering stability

2.Dealing with unstructured data

3.Algorithm usability with multiple data

4.High Dimensional

5.Interpretability

14.Cluster quality can be measured with the help of different methods like

a.Elbow method

b.Dendrogram

c.DBSCAN(it can be used to find noise or clusters)

for ex.In elbow method when we assign number of clusters we randomly mark centroid

then centroid of each cluster will find average distance from each of its object.it will repeat the same process till it achieves the centroid(which is not able to change its co-ordinate)

now again it will form clusters.

15. Cluster analysis is the process of finding similar group of objects in form of cluster .

This comes under unsupervised machine learning.

Types.

1.Partitioning based method

2.Hierarchial based method

3.Density based method

4.Grid based method

5.Model based method

6.Constraint based method