MACHINE LEARNING

1. D
2. D
3. C
4. B
5. D
6. C
7. D
8. A
9. A
10. B
11. A
12. B
13. Having clustering methods helps in restarting the local search procedure and remove the inefficiency. In addition, clustering helps to determine the internal structure of the data.

This clustering analysis has been used for model analysis, vector region of attraction.

Clustering helps in understanding the natural grouping in a dataset. Their purpose is to make sense to partition the data into some group of logical groupings.

Clustering quality depends on the methods and the identification of hidden patterns.

They play a wide role in applications like marketing economic research and weblogs to identify similarity measures, Image processing, and spatial research.

They are used in outlier detections to detect credit card fraudulence.

14. Improving the clustering performing rather a subject and domain specific tasks. But there are some steps that we could perform to ensure betterment of the performance. First of all the more the data the better the results. Also this goes without saying that garbage in garbage out, so clean the data as much as possible before using it for analysis. Using of an appropriate clustering algorithm is also very important during cluster analysis. Choosing the optimal number of clusters is also a very important step during clustering. We should choose the algorithms for finding the optimal number of cluster very carefully. Such as elbow method, gap stats method, silhouette method, etc.). Reducing dimensions could be one of the optimization method