MACHINE LEARNING - 2

1. Movie Recommendation systems are an example of: i) Classification ii) Clustering iii) Regression - A
2. 2. Sentiment Analysis is an example of: i) Regression ii) Classification iii) Clustering iv) Reinforcement – D
3. 3. Can decision trees be used for performing clustering? -A
4. Which of the following is the most appropriate strategy for data cleaning before performing clustering analysis, given less than desirable number of data points: i) Capping and flooring of variables ii) Removal of outliers - A
5. What is the minimum no. of variables/ features required to perform clustering? – B
6. For two runs of K-Mean clustering is it expected to get same clustering results? - B
7. Is it possible that Assignment of observations to clusters does not change between successive iterations in K-Means? - A
8. Which of the following can act as possible termination conditions in K-Means? - D
9. Which of the following algorithms is most sensitive to outliers? -A
10. How can Clustering (Unsupervised Learning) be used to improve the accuracy of Linear Regression model (Supervised Learning): - D
11. What could be the possible reason(s) for producing two different dendrograms using agglomerative clustering algorithms for the same dataset? -D
12. Is K sensitive to outliers?

Yes, K sensitive to the outliers. Outliers can significantly influence the final cluster

Configuration, hence should be removed to obtain quality solution.

1. Why is K means better?