

MACHINE LEARNING 2

1. Movie Recommendation systems are an example of:

- ii) Clustering
- iii) Regression
- d) 2 and 3

2. Sentiment Analysis is an example of:

- d) 1, 2 and 4

3. Can decision trees be used for performing clustering?

- a) True

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

- a) 1 only

5. What is the minimum no. of variables/ features required to perform clustering?

- b) 1

6. For two runs of K-Mean clustering is it expected to get same clustering results?

- b) No

7. Is it possible that Assignment of observations to clusters does not change between successive iterations in K-Means?

- a) Yes

8. Which of the following can act as possible termination conditions in K-Means? i) For a fixed number of iterations.

- d) All of the above

9. Which of the following algorithms is most sensitive to outliers?

- a) K-means clustering algorithm

10. How can Clustering (Unsupervised Learning) be used to improve the accuracy of Linear Regression model (Supervised Learning): i) Creating different models for different cluster groups.

- d) All of the above

11. What could be the possible reason(s) for producing two different dendrograms using agglomerative clustering algorithms for the same dataset?

- d) All of the above

12. Is K sensitive to outliers?

Ans- yes

13. Why is K means better?

14. Is K means a deterministic algorithm?

Ans-