Machine Learning (Practice Questions)

ME I Sem, CSE, 2024

Assignment date: No submission required

1. Explain in simple words, how a decision tree can be used as a classifier?

2. Give a simple algorithm for constructing a decision tree.

3. Explain the Nearest Neighbor clustering Algorithm.

4. Write an algorithm that cluster the data that are given in ascending order?

5. Explain the clustering process using a block diagram that shows the stages of clustering.

6. How the K-means clustering algorithm performs partitioning? Describe in your own words.

7. What is criteria for converging of K-means algorithm?

8. Show that the time complexity of K-Means Clustering Algorithm is $O(n)$.

9. Define "Association Rule."

10. What are the three commonly used ways to measure the association?

11. Define the terms "support" and "confidence" with reference to Association Rule mining.

12. What are the major steps in the algorithm for association rule mining?