

SECTION-B

2. Explain the various steps of machine learning process in detail. Highlight the significance of data preprocessing.
3. Explain the process of linear regression. State the cost function used in this process. How is gradient descent used in linear regression?
4. Discuss the working of Naive Bayes classifier in detail. List the advantages and disadvantages of this technique.
5. Write down the algorithm for fuzzy C-means clustering. Explain how this technique is different from K-means clustering?
6. What is the exploration-exploitation tradeoff in reinforcement learning? How is Epsilon Greedy policy used to choose between exploration and exploitation?
7. How are Decision Trees used for classification? Explain the steps of constructing a decision tree with the help of an example.

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