

Velocity Corporate Training Center, Pune

Decision Tree Interview Questions

1. Explain the Decision Tree algorithm in detail.
2. What are the Steps for Making a decision tree?
3. What are the Algorithms used in the Decision Tree?
4. What is Parametric and Nonparametric Machine Learning Algorithms
5. Explain Decision tree Key terms: Root Node, Decision Node/Branch Node, Leaf or Terminal Node.
6. Whats are Assumptions while creating a Decision Tree?
7. What is entropy?
8. What is information gain?
9. What is Gini Index?
10. What is a Puresubset?
11. What is the difference between Entropy and Gini Impurity(Gini Index)
12. How do you calculate the entropy of children nodes after the split based on a feature?
13. Does Decision Tree require feature scaling?
14. Explain feature selection using the information gain/entropy technique?
15. What are Techniques to avoid Overfitting in Decision Tree?
16. How to tune hyperparameters in decision trees Classifier?
17. What is pruning in the Decision Tree?
18. How is a splitting point chosen for continuous variables in decision trees?
19. What are the advantages and disadvantages of the Decision Tree?
20. What is Decision Tree Regressor?
21. How is Splitting Decided for Decision Trees Regressor?
22. Explain Linear regression vs decision trees regression
23. How to tune hyperparameters in decision trees regression?
24. What is max_depth in the Decision Tree?
25. What are the min_samples_split and min_samples_leaf hyperparameters?
26. What are the Applications of Decision Trees?