Velocity Corporate Training Center, Pune

K Nearest Neighbor Interview Questions

1. Difference Between Supervised And Unsupervised Machine Learning
2. What is Parametric and Nonparametric Machine Learning Algorithms
3. Explain the K Nearest Neighbor Algorithm in details
4. What is the difference between KNN and K-means
5. What is the "K" in KNN algorithm?
6. How do we decide the value of "K" in KNN algorithm?
7. Why is the odd value of "K" preferable in KNN algorithm?
8. What distance metrics can be used in KNN?
9. What is the difference between Euclidean Distance and Manhattan distance? What is the formula of Euclidean distance and Manhattan distance?
10. Why do you need to scale your data for the k-NN algorithm?
11. What are the Gradient Descent Based, Tree-Based, and distance-based algorithms?
12. What is Normalization?
13. What is Standardization?
14. When Should You Use Normalization And Standardization?
15. Why is KNN algorithm called Lazy Learner?
16. Why should we not use the KNN algorithm for large datasets?
17. What are the advantages and disadvantages of KNN algorithm?
18. What is the difference between Model Parameters VS HyperParameters?
19. What is Hyperparameter Tuning in Machine Learning?
20. How to tune hyperparameters in K Nearest Neighbors Classifier?
21. What are the approaches for Hyperparameter tuning?
22. What is cross-validation?
23. What are GridSearchCV and RandomizedSearchCV, differences between them?
24. What are the Applications of KNN?