Data Science Interview Questions

1. What is Data Science? List the difference between supervised and unsupervised learning.
2. What is selection bias?
3. What is a bias-variance trade-off?
4. In your choice of language, write a program that prints the numbers ranging from 1 to 50.
5. What is a confusion matrix?
6. Describe Markov chains?
7. What do you understand by true and false positive rates?
8. Why R is used in Data Visualization?
9. What is the ROC curve?
10. What are dimensionality reduction and its benefits?
11. How do you find RMSE and MSE in a linear regression model?
12. How do deal with unbalanced binary classification?
13. What is the difference between a box plot and a histogram?
14. What does NLP stand for?
15. Walkthrough the probability fundamental?
16. Describe different regularization methods, such aa L1 and L2 regularization?
17. How should you maintain a deployed model?
18. Write the equation and calculate the precision and recall rate?
19. Why do we use the summary function?
20. How will you measure the Euclidean distance between the two arrays in NumPy?
21. What is the difference between an error and residual error?
22. Difference between Normalization and Standardization?
23. Wat is the difference between ‘long’ and ‘wide’ format data?
24. What do you understand by the term Normal Distribution?
25. What is correlation and covariance in statistics?