



## **Full Stack Data Science & AI (Siva Rama Krishna)**

### **Mock Interview Test**

1. What is CRISP-DM Methodology?
2. What are steps involved in data cleaning?
3. How to treat missing values in the given dataset?
4. What is outlier? How to identify it? What are various ways to treat outliers?
5. What is Encoding? What are different types of Encoding Techniques? What is difference between nominal encoding & ordinal encoding?
6. What is difference between Standardization vs Normalization?
7. Explain Discretization? What is the use of it?
8. What is Heteroscedasticity? How to rectify it?
9. What is multi colinearity problem? How to overcome it?
10. What is meant by VIF? What is the use of it?
11. Explain Bias-Variance Trade off? What are the different options to overcome over fitting problem?
12. What are evaluation metrics involved in Classification & Regression
13. Explain Regularization? Explain how regularization reduces over fitting problem?
14. Explain Hyper parameter Tuning?
15. What is difference between K-Fold Cross Validation & GridSearchCV?
16. How to select decision node in decision trees?
17. What is the use of pruning in decision tree? What is difference between pre pruning & post pruning?
18. What is difference between Bagging & Boosting?
19. What is difference between K Means & Hierarchical Clustering?
20. How to identify optimum number of clusters in Clustering?