BUSINESS ANALYTICS ASSIGNMENT

Day-24:

1 .What is the purpose of cross-validation in modeling?

2. What is a feature interaction in regression models, and why is it important?

3. Explain the concept of regularization in regression models.

4. What is model interpretability, and why is it important?

5.What are the advantages and limitations of using neural networks for predictive modeling?

6.How do you evaluate model performance in the presence of noisy or unreliable data?

7.How would you address imbalanced classes in classification problems?

8.Explain the concept of Hyperparameter Optimization and its importance in machine learning models.

9.How does Principal Component Analysis (PCA) work, and when would you use it?

10 .What is model interpretability, and why is it important?