

DATA SCIENCE ASSIGNMENT

Day - 57:

1. In the context of machine learning algorithms, which of the following statements best describes the K-Nearest Neighbors (KNN) algorithm?

2. What is the main advantage of Support Vector Machines (SVM) compared to other classification algorithms?

3. In a Random Forest ensemble, what is the purpose of using multiple decision trees?

4. How do you choose the appropriate kernel for an SVM model ?

5. Which assessment is used to test the intelligence of a machine? Explain it.

6. Can Random Forest be prone to overfitting, and if so, how can it be mitigated?