DATA SCIENCE ASSIGNMENT

Day - 54:

1. Which of the following statements best describes the approach used by Boost to grow trees?

2. What is the primary advantage of Light GBM's leaf-wise tree growth strategy over depth-wise growth used in traditional gradient boosting algorithms?

3. In the context of gradient boosting algorithms like Boost and Light GBM, what is the role of the learning rate (or shrinkage parameter)?

4. Explain the role of the learning rate in Gradient Boosting. How does it impact the convergence of the Algorithm?

5. How are Artificial Intelligence and Machine Learning Related?