

DATA SCIENCE ASSIGNMENT

Day - 60:

1. What is the primary purpose of an Artificial Neural Network (ANN) in machine learning?

2. Which of the following statements best describes the back propagation algorithm in the context of training neural networks?

3. In the context of optimization algorithms, what is the main goal of gradient descent?

4. Apply the Gradient Descent algorithm to fit a linear regression model to a dataset. Use the MSE as the loss function and print the final parameters.

5. Explain the role of learning rate in the optimization algorithm during backpropagation. What happens if the learning rate is too small or too large?

6. what is computer vision in AI?