

ACTIVITY #3

1. Multiple -choice questionnaire

1. What is the purpose of an activation function in a neural network?

- A. Assigning weights to inputs
- B. Determining the importance of variables
- C. Adjusting parameters during training
- D. Deciding whether a node should be activated
- 2. Which optimization algorithm is commonly used for adjusting weights in neural network training?
- A. Random Forest
- B. Gradient Descent
- C. K-Means
- D. Support Vector Machine
- 3. What role does backpropagation play in neural network training?
- A. Initializing network weights
- B. Propagating information forward
- C. Calculating gradients and adjusting parameters
- D. Activating nodes in the output layer









4. Which neural network type is primarily used for image recognition and computer vision?

- A. Feedforward Neural Network
- B. Recurrent Neural Network
- C. Convolutional Neural Network
- D. Perceptron

5. In the context of neural networks, what does the term "deep" refer to in deep learning?

- A. The complexity of mathematical operations
- B. The number of layers in the network
- C. The variety of activation functions used
- D. The presence of feedback loops





