

NebulaByte Neural Networks Fundamentals

Instructor: Let's review the basics of neural networks.

Student: How do neurons in artificial networks compare to biological ones?

Instructor: Artificial neurons are simplified models. They receive inputs, apply weights, add bias, and pass through an activation function.

Student: What's the purpose of activation functions?

Instructor: They introduce non-linearity, allowing networks to learn complex patterns. Common ones include ReLU, sigmoid, and tanh.