

EdX and its Members use cookies and other tracking technologies for performance, analytics, and marketing purposes. By using this website, you accept this use. Learn more about these technologies in the [Privacy Policy](#).



[Course](#) > [Unit 3 Neural networks \(2.5 weeks\)](#) > [Lecture 8. Introduction to Feedforward Neural Networks](#) > 2. Objectives

2. Objectives

Introduction to Feedforward Neural Networks

At the end of this lecture, you will be able to

- Recognize the number of **layers** of a **feedforward neural network** and the number of **units** in each layer.
- Write down common **activation functions** such as the hyperbolic tangent function \tanh , and the **rectified linear function (ReLU)** .
- Compute the output of a simple neural network possibly with **hidden layers** given the **weights** and **activation functions** .
- Determine whether data after transformation by some layers is linearly separable, draw decision boundaries given by the weight vectors and use them to help understand the behavior of the network.

Discussion

Hide Discussion

Topic: Unit 3 Neural networks (2.5 weeks):Lecture 8. Introduction to Feedforward Neural Networks / 2. Objectives

Add a Post

Show all posts ▼by recent activity ▼

There are no posts in this topic yet.

✕

Learn About Verified Certificates

