Deep Learning Foundation

Uplatz

Deep Learning Foundation – Course Syllabus

1: Introduction to deep learning

Be able to explain the major trends driving the rise of deep learning, and understand where and how it is applied today.

2: Neural Networks Basics

Learn to set up a machine learning problem with a neural network mindset. Learn to use vectorization to speed up your models.

3: Shallow neural networks

Learn to build a neural network with one hidden layer, using forward propagation and back propagation.

4: Deep Neural Networks

Understand the key computations underlying deep learning, use them to build and train deep neural networks, and apply it to computer vision.