



Enhancing Vision with Convolutional Neural Networks

✓ **Video:** A conversation with Andrew Ng
1 min

✓ **Video:** What are convolutions and pooling?
2 min

✓ **Reading:** Coding convolutions and pooling layers
10 min

▶ **Video:** Implementing convolutional layers
1 min

📖 **Reading:** Learn more about convolutions
10 min

▶ **Video:** Implementing pooling layers
4 min

📖 **Reading:** Getting hands-on, your first ConvNet
10 min

▶ **Video:** Improving the Fashion classifier with convolutions
4 min

📖 **Reading:** Try it for yourself
1h

▶ **Video:** Walking through convolutions
3 min

📖 **Reading:** Experiment with filters and pools
1h

🔒 **Quiz:** Week 3 Quiz
6 questions

Weekly Exercise - Improving DNN Performance using Convolutions



Coding convolutions and pooling layers

The concepts introduced in this video are available as Conv2D layers and MaxPooling2D layers in TensorFlow. You'll learn how to implement them in code in the next video...

✓ Complete

Go to next item

