



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



Week 3 Resources

We've put the notebooks that you used this week into GitHub so you can download and play with them.

[Adding Convolutions to Fashion MNIST](#)

[Exploring how Convolutions and Pooling work](#)

✓ Complete

Go to next item

