



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



Learn more about convolutions

You've seen how to add a convolutional 2d layer to the top of your neural network in the previous video. If you want to see more detail on how they worked, check out the playlist at <https://bit.ly/2UGa7uH>.

Now let's take a look at adding the pooling, and finishing off the convolutions so you can try them out...

✓ Complete

Go to next item

