



## 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



# Getting hands-on, your first ConvNet

You've now seen how to turn your Deep Neural Network into a Convolutional Neural Network by adding convolutional layers on top, and having the network train against the results of the convolutions instead of the raw pixels. In the next video, you'll step through a workbook to see how this works...

✓ Complete

Go to next item

