



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



Experiment with filters and pools

To try this notebook for yourself, and play with some convolutions, [here's the notebook](#). Let us know if you come up with any interesting filters of your own!

As before, spend a little time playing with this notebook. Try different filters, and research different filter types. There's some fun information about them here: <https://lodev.org/cgtutor/filtering.html>

✓ Complete

Go to next item

