



Using Real-world Images

- ✓ **Video:** A conversation with Andrew Ng
2 min
- ✓ **Reading:** Explore an impactful, real-world solution
10 min
- ✓ **Video:** Understanding ImageGenerator
4 min
- ✓ **Reading:** Designing the neural network
10 min
- ✓ **Video:** Defining a ConvNet to use complex images
2 min
- ✓ **Reading:** Train the ConvNet with ImageGenerator
10 min
- ✓ **Video:** Training the ConvNet with fit_generator
2 min
- ✓ **Reading:** Exploring the solution
10 min
- ✓ **Video:** Walking through developing a ConvNet
2 min
- ✓ **Reading:** Training the neural network
10 min
- ✓ **Video:** Walking through training the ConvNet with fit_generator
3 min
- ✓ **Reading:** Experiment with the horse or human classifier
1h
- ▶ **Video:** Adding automatic validation to test accuracy
4 min
- 📖 **Reading:** Get hands-on and



Experiment with the horse or human classifier

Now it's your turn. You can find the notebook [here](#). Work through it and get a feel for how the ImageGenerator is pulling the images from the file system and feeding them into the neural network for training. Have some fun with the visualization code at the bottom!

In earlier notebooks you tweaked parameters like epochs, or the number of hidden layers and neurons in them. Give that a try for yourself, and see what the impact is. Spend some time on this.

Once you're done, move to the next video, where you can validate your training against a lot of images!

✓ Complete

Go to next item

