

## Introduction

✓ **Video:** Introduction, A conversation with Andrew Ng  
4 min

✓ **Reading:** Before you Begin: TensorFlow 2.0 and this Course  
10 min

## Larger Dataset

▶ **Video:** A conversation with Andrew Ng  
1 min

✓ **Reading:** The cats vs dogs dataset  
10 min

▶ **Video:** Training with the cats vs. dogs dataset  
2 min

📖 **Reading:** Looking at the notebook  
10 min

▶ **Video:** Working through the notebook  
4 min

📖 **Reading:** What you'll see next  
10 min

▶ **Video:** Fixing through cropping  
49 sec

▶ **Video:** Visualizing the effect of the convolutions  
1 min

▶ **Video:** Looking at accuracy and loss  
1 min

📖 **Reading:** What have we seen so far?  
10 min

🔒 **Quiz:** Week 1 Quiz  
8 questions

▶ **Video:** Week 1 Wrap up



# The cats vs dogs dataset

In the next video, you'll look at the famous Kaggle Dogs v Cats dataset: <https://www.kaggle.com/c/dogs-vs-cats>

This was originally a challenge in building a classifier aimed at the world's best Machine Learning and AI Practitioners, but the technology has advanced so quickly, you'll see how you can do it in just a few minutes with some simple Convolutional Neural Network programming.

It's also a nice exercise in looking at a larger dataset, downloading and preparing it for training, as well as handling some preprocessing of data. Even data like this which has been carefully curated for you can have errors -- as you'll notice with some corrupt images!

Also, you may notice some warnings about missing or corrupt EXIF data as the images are being loaded into the model for training. Don't worry about this -- it won't impact your model! :)

✓ Complete

Go to next item

