



## Augmentation

- ✓ **Video:** A conversation with Andrew Ng  
2 min
- ✓ **Reading:** Image Augmentation  
10 min
- ✓ **Video:** Introducing augmentation  
2 min
- ✓ **Reading:** Start Coding...  
10 min
- ✓ **Video:** Coding augmentation with ImageDataGenerator  
3 min
- ✓ **Reading:** Looking at the notebook  
10 min
- ▶ **Video:** Demonstrating overfitting in cats vs. dogs  
1 min
- 📖 **Reading:** The impact of augmentation on Cats vs. Dogs  
10 min
- ▶ **Video:** Adding augmentation to cats vs. dogs  
1 min
- 📖 **Reading:** Try it for yourself!  
10 min
- ▶ **Video:** Exploring augmentation with horses vs. humans  
1 min
- 📖 **Reading:** What have we seen so far?  
10 min
- 🔒 **Quiz:** Week 2 Quiz  
8 questions
- ▶ **Video:** Week 2 Wrap up  
37 sec



# Looking at the notebook

Now that you've gotten to learn some of the basics of Augmentation, let's look at the Cats v Dogs classifier.

First, we'll run Cats v Dogs without Augmentation, and explore how quickly it overfits.

If you want to run the notebook yourself, you can find it here:

[https://colab.research.google.com/github/lmoroney/dlaicourse/blob/master/notebooks/Part4-Lesson20-Notebook\(CatsvDogsAugmentation\).ipynb](https://colab.research.google.com/github/lmoroney/dlaicourse/blob/master/notebooks/Part4-Lesson20-Notebook(CatsvDogsAugmentation).ipynb)

✓ Completed