



Transfer Learning

- ✓ **Video:** A conversation with Andrew Ng
3 min
- ✓ **Video:** Understanding transfer learning: the concepts
2 min
- ✓ **Reading:** Start coding!
10 min
- ✓ **Video:** Coding transfer learning from the inception mode
1 min
- ✓ **Reading:** Adding your DNN
10 min
- ✓ **Video:** Coding your own model with transferred features
2 min
- ✓ **Reading:** Using dropouts!
10 min
- ✓ **Video:** Exploring dropouts
1 min
- ✓ **Reading:** Applying Transfer Learning to Cats v Dogs
10 min
- ✓ **Video:** Exploring Transfer Learning with Inception
1 min
- ✓ **Reading:** What have we seen so far?
10 min
- 🔒 **Quiz:** Week 3 Quiz
8 questions
- ▶ **Video:** Week 3 Wrap up
36 sec

Weekly Exercise- Transfer Learning

Optional: Ungraded Google Colaboratory environment



What have we seen so far?

This week you've learned a lot of great new concepts!

You saw Transfer Learning, and how you can take an existing model, freeze many of its layers to prevent them being retrained, and effectively 'remember' the convolutions it was trained on to fit images.

You then added your own DNN underneath this so that you could retrain on your images using the convolutions from the other model.

You learned about regularization using dropouts to make your network more efficient in preventing over-specialization and this overfitting.

Before you get to the exercise for this week, let's have a quick quiz!

✓ Complete

Go to next item

