



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



Start coding!

Now that we've seen the concepts behind transfer learning, let's do it at how to do it for ourselves with TensorFlow and Keras.

In the next few videos you'll be using this notebook to explore transfer learning.
<https://colab.research.google.com/github/lmoroney/dlaicourse/blob/master/notebooks/Part%206%20-%20Lesson%203%20-%20Notebook.ipynb>

For more on how to freeze/lock layers, explore the documentation example using MobileNet architecture:
https://www.tensorflow.org/tutorials/images/transfer_learning

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