



## Multiclass Classifications



**Video:** A conversation with Andrew Ng  
3 min



**Video:** Moving from binary to multi-class classification  
44 sec



**Reading:** Introducing the Rock-Paper-Scissors dataset  
10 min



**Video:** Explore multi-class with Rock Paper Scissors dataset  
2 min



**Reading:** Check out the code!  
10 min



**Video:** Train a classifier with Rock Paper Scissors  
1 min



**Reading:** Try testing the classifier  
10 min



**Video:** Test the Rock Paper Scissors classifier  
2 min



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



**Quiz:** Week 4 Quiz  
8 questions

## Weekly Exercise- Multi-class classifier

## Optional: Ungraded Google Colaboratory environment

## Course 2 Wrap up



# What have we seen so far?

You're coming to the end of Course 2, and you've come a long way! From first principles in understanding how ML works, to using a DNN to do basic computer vision, and then beyond into Convolutions.

With Convolutions, you then saw how to extract features from an image, and you saw the tools in TensorFlow and Keras to build with Convolutions and Pooling as well as handling complex, multi-sized images.

Through this you saw how overfitting can have an impact on your classifiers, and explored some strategies to avoid it, including Image Augmentation, Dropouts, Transfer Learning and more. To wrap things up, this week you've looked at the considerations in your code that you need for moving towards multi-class classification!

✓ Complete

Go to next item

