



Overview

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Week 4

Convolutional Neural Networks in TensorFlow

Week 4

Discuss this week's modules here.
359 threads · Last post 2 hours ago

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Multiclass Classifications



Laurence Moroney

You've come a long way. Congratulations! One more thing to do before we move off of ConvNets to the next module, and that's to go beyond binary classification. Each of the examples you've done so far involved classifying one thing or another -- horse or human, cat or dog. When moving beyond binary into Categorical classification there are some coding considerations you need to take into account. You'll look at them this week!

[Less](#)

Multiclass Classifications



Video: A conversation with Andrew Ng 3 min

[Resume](#)



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 Due Nov 30, 1:59 AM CST

Weekly Exercise- Multi-class classifier



Lab: Exercise 4 - Multi-class classifier 1h



Programming Assignment: Exercise 4 - Multi-class classifier 3h Due Nov 30, 1:59 AM CST

Optional: Ungraded Google Colaboratory environment



Ungraded External Tool: Exercise 4 - Multi-class classifier 1h

Course 2 Wrap up



Reading: Wrap up 10 min



Video: A conversation with Andrew Ng 1 min

