✓ Congratulations! You've completed the course.   View Final Grade

THIS WEEK'S FORUM

Week 3

Discuss this week's modules here.
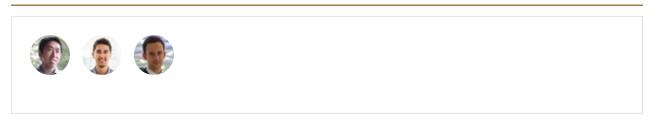
Go to forum

Hyperparameter tuning, Batch Normalization and Programming Frameworks

Learning Objectives

Master the process of hyperparameter tuning

⌃ Less

Hyperparameter tuning

● Tuning process   7 min

● Using an appropriate scale to pick hyperparameters   8 min

● Hyperparameters tuning in practice: Pandas vs. Caviar   6 min

Batch Normalization

● Normalizing activations in a network   8 min

● Fitting Batch Norm into a neural network   12 min

● Why does Batch Norm work?   11 min

● Batch Norm at test time   5 min

Multi-class classification

● Softmax Regression   11 min

● Training a softmax classifier   10 min

Introduction to programming frameworks

● Deep learning frameworks   4 min

● TensorFlow   16 min

Practice Questions

⭐ **Quiz:**

Hyperparameter tuning, Batch Normalization, Programming
Frameworks   10 questions

Programming assignment

✓   Tensorflow   3h

✓   **Programming Assignment:**
Tensorflow