



Hyperparameter tuning, Batch Normalization, Programming Frameworks



Graded Quiz • 30 min

Due Dec 7, 1:59 AM CST

Hyperparameter tuning

- ✓ **Video:** Tuning hyperparameters
7 min
TO PASS 80% or higher

- ✓ **Video:** Using an appropriate scale to pick hyperparameters
8 min

- ✓ **Video:** Hyperparameters tuning in practice: Pandas vs. Caviar
6 min

Hyperparameter tuning, Batch Normalization, Programming Frameworks

Batch Normalization

LATEST SUBMISSION GRADE

- ✓ **Video:** Normalizing activations in a network
8 min
100%

QUIZ • 30 MIN

Keep Learning

GRADE
100%

1. ✓ **Video:** Fitting Batch Norm into a neural network
12 min
If searching among a large number of hyperparameters, you should try values in a grid rather than random values, so that you can carry out the search more systematically and not rely on chance. True or False? **1 / 1 point**

Submit your assignment

Due Date Dec 7, 1:59 AM CST

ATTEMPTS 3 every 8 hours

- ✓ **Video:** Why does Batch Normalization work?
11 min

- False
✓ **Video:** Batch Norm at test time
5 min

Correct

Multi-class classification

- ✓ **Reading:** Clarifications about Upcoming Softmax
Video
1 min

2. Every hyperparameter, if set poorly, can have a huge negative impact on training, and so all hyperparameters are about equally important to tune well. True or False? **1 / 1 point**

- False?
✓ **Video:** Softmax Regression
11 min

- True
✓ **Video:** Training a softmax classifier
10 min

Introduction to programming Frameworks

- ✓ **Video:** Deep learning frameworks
Yes. We've seen in lecture that some hyperparameters, such as the learning rate, are more critical than others.

- ✓ **Receive grade**
TO PASS 80% or higher

Grade
100%

We