Optimization algorithms
Graded Quiz • 30 min

coursera

Due Nov 30, 1:59 AM CST

Optimization algorithms

✓ **Video:** Mini-batch gradient descent
11 min

✓ **Video:** Understanding mini-batch gradient descent
11 min

✓ **Video:** Exponentially weighted averages
5 min

✓ **Video:** Understanding exponentially weighted averages
9 min

✓ **Video:** Bias correction in exponentially weighted averages
4 min

✓ **Video:** Gradient descent with momentum
9 min

✓ **Video:** RMSprop
7 min

✓ **Reading:** Clarification about Upcoming Adam Optimization Video
1 min

✓ **Video:** Adam optimization algorithm
7 min

✓ **Reading:** Clarification about Learning Rate Decay Video
1 min

✓ **Video:** Learning rate decay
6 min

✓ **Video:** The problem of local optima
5 min

Practice Questions

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Optimization algorithms

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Optimization algorithms

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1. Which notation would you use to denote the 3rd layer's activations when the input is the 7th example from the 8th minibatch?   **1 / 1 point**

○ $a^{[3]\{7\}(8)}$

○ $a^{[8]\{7\}(3)}$