



Gradient Descent with Large Datasets

Advanced Topics

Review

✓ Reading: Lecture Slides  
10 min

✓ Quiz: Large Scale Machine Learning  
5 questions



Congratulations! You passed!

TO PASS 80% or higher

QUIZ 10 MIN

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GRADE  
100%

# Large Scale Machine Learning

## Large Scale Machine Learning

LATEST SUBMISSION GRADE

100%



Submit your assignment

Try again

DUE Nov 25, 1:29 PM IST    ATTEMPTS 3 every 8 hours

1. Suppose you are training a logistic regression classifier using stochastic gradient descent. You find that the cost (say,  $cost(\theta, (x^{(i)}, y^{(i)}))$ ), averaged over the last 500 examples, plotted as a function of the number of iterations, is slowly increasing over time. Which of the following changes are likely to help?

1 / 1 point



TO PASS 80% or higher

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Correct



2. Which of the following statements about stochastic gradient descent are true? Check all that apply.

1 / 1 point



Correct

3. Which of the following statements about online learning are true? Check all that apply.

1 / 1 point



Correct

4. Assuming that you have a very large training set, which of the following algorithms do you think can be parallelized using map-reduce and splitting the training set across different machines? Check all that apply.

1 / 1 point



Correct

5. Which of the following statements about map-reduce are true? Check all that apply.

1 / 1 point



Correct