

# Large Scale Machine Learning

Quiz, 5 questions



**Congratulations! You passed!**

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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?



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2.

Which of the following statements about stochastic gradient

descent are true? Check all that apply.



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3.

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



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4.

Assuming that you have a very large training set, which of the

## Large Scale Machine Learning

following algorithms do you think can be parallelized using

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map-reduce and splitting the training set across different

machines? Check all that apply.

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5.

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

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