



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, $\text{cost}(\theta, (x^{(i)}, y^{(i)}))$), 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 following algorithms do you think can be parallelized using 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.