Large Scale Machine Learning

1.
Question 1

Suppose you are training a logistic regression classifier using stochastic gradient descent. You find that the cost (say, cost(θ,(x(i),y(i)))cost(\theta,(x^{(i)}, y^{(i)}))cost(θ,(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
Correct

2.
Question 2

Which of the following statements about stochastic gradient

descent are true? Check all that apply.

1 / 1 point
Correct

3.
Question 3

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

1 / 1 point
Correct

4.
Question 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.
Question 5

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