QUIZ • 10 MIN

Linear Regression with One Variable

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TOTAL POINTS 5

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Start

DUE Jan 26, 11:59 PM PST ATTEMPTS 3 every 8 hours

TO PASS 80% or higher

1. Consider the problem of predicting how well a student does in her second year of college/university, given how well she did in her first year. 1 point

Specifically, let x be equal to the number of "A" grades (including A-. A and A+ grades) that a student receives in their first year of college (freshmen year). We would like to predict the value of y, which we define as the number of "A" grades they get in their second year (sophomore year).

Refer to the following training set of a small sample of different students' performances (note that this training set may also be referenced in other questions in this quiz). Here each row is one training example. Recall that in linear regression, our hypothesis is $h_\theta(x) = \theta_0 + \theta_1 x$, and we use m to denote the number of training examples.

x	y
3	4
2	1
4	3
0	1

For the training set given above, what is the value of m? In the box below, please enter your answer (which should be a number between 0 and 10).

Enter answer here

2. For this question, assume that we are using the training set from Q1. Recall our definition of the 1 point