

🎉 Congratulations! You passed!

Logistic Regression

Logistic Regression Model
Grade Received 80% To pass 80% or higher
Multiclass Classification

Review

🕒 Reading: 1 hour 5 mins
10 min

Latest Submission Grade 80%

🟢 Quiz: Logistic Regression
5 questions

1. Solving the Problem of Overfitting

Review

🟢 Correct

✔ Submit your assignment

Due Oct 3, 11:59 PM PDT Attempts 3 every 8 hours

✔ Receive grade

To Pass 80% or higher

You have trained a logistic regression classifier, and it outputs on a new example x a prediction $h_{\theta}(x) = 0.7$. This means (check all that apply):

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Your grade

80%

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1 / 1 point

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Try again



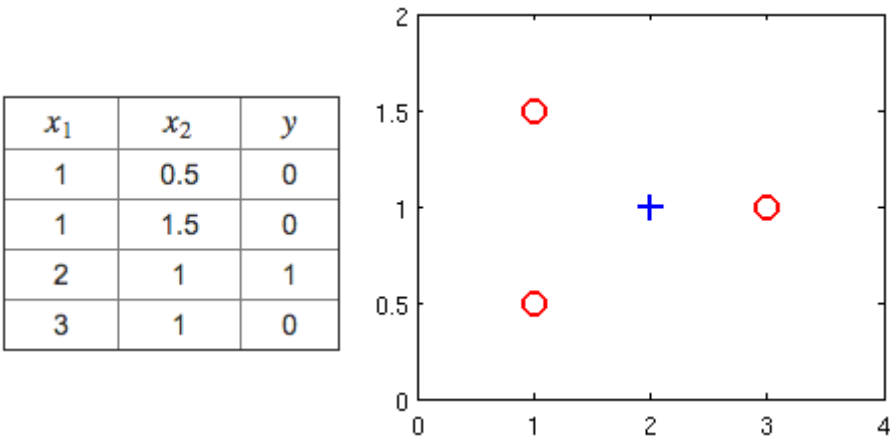
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2. Suppose you have the following training set, and fit a logistic regression classifier $h_{\theta}(x) = g(\theta_0 + \theta_1 x_1 + \theta_2 x_2)$.

1 / 1 point



Which of the following are true? Check all that apply.

🟢 Correct

3. For logistic regression, the gradient is given by $\frac{\partial}{\partial \theta_j} J(\theta) = \frac{1}{m} \sum_{i=1}^m (h_{\theta}(x^{(i)}) - y^{(i)}) x_j^{(i)}$. Which of these is a correct gradient descent update for logistic regression with a learning rate of α ? Check all that apply.

0 / 1 point

✖ Incorrect

4. Which of the following statements are true? Check all that apply.

1 / 1 point

🟢 Correct

5. Suppose you train a logistic classifier $h_{\theta}(x) = g(\theta_0 + \theta_1 x_1 + \theta_2 x_2)$. Suppose $\theta_0 = -6, \theta_1 = 0, \theta_2 = 1$. Which of the following figures represents the decision boundary found by your classifier?

1 / 1 point

🟢 Correct