

## Regularization

LATEST SUBMISSION GRADE

100%

1. You are training a classification model with logistic regression. Which of the following statements are true? Check all that apply.

1 / 1 point

✓ Correct

2. Suppose you ran logistic regression twice, once with  $\lambda = 0$ , and once with  $\lambda = 1$ . One of the times, you got parameters  $\theta = \begin{bmatrix} 81.47 \\ 12.69 \end{bmatrix}$ , and the other time you got  $\theta = \begin{bmatrix} 13.01 \\ 0.91 \end{bmatrix}$ . However, you forgot which value of  $\lambda$  corresponds to which value of  $\theta$ . Which one do you think corresponds to  $\lambda = 1$ ?

1 / 1 point

✓ Correct

3. Which of the following statements about regularization are true? Check all that apply.

1 / 1 point

✓ Correct

4. In which one of the following figures do you think the hypothesis has overfit the training set?

1 / 1 point

✓ Correct

5. In which one of the following figures do you think the hypothesis has underfit the training set?

1 / 1 point

✓ Correct