

# Regularization

Quiz, 5 questions

**5/5 points (100%)****Congratulations! You passed!**[Next Item](#)1 / 1  
point

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

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1 / 1  
point

2.  
Suppose you ran logistic regression twice, once with  $\lambda = 0$ , and once with  $\lambda = 1$ . One of the times, you got

parameters  $\theta = \begin{bmatrix} 74.81 \\ 45.05 \end{bmatrix}$ , and the other time you got

$\theta = \begin{bmatrix} 1.37 \\ 0.51 \end{bmatrix}$ . However, you forgot which value of

$\lambda$  corresponds to which value of  $\theta$ . Which one do you think corresponds to  $\lambda = 1$ ?

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1 / 1  
point

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

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**5/5 points (100%)**

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

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1 / 1  
point

5.

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

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