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Logistic Regression with L2 regularization

9 试题

1 point

1.

Are you using GraphLab Create? Please make sure that

1. You are using version 1.8.3 of GraphLab Create. Verify the version of GraphLab Create by running

graphlab.version

inside the notebook. If your GraphLab version is incorrect, see this post (https://www.coursera.org/learn/ml-classification/supplement/LgZ3I/installing-correct-version-of-graphlab-create) to install version 1.8.3. **This assignment is not guaranteed to work with other versions of GraphLab Create.**

2. You are using the IPython notebook named module-4-linear-classifier-regularization-assignment-blank.ipynb obtained from the associated reading.

This question is ungraded. Check one of the three options to confirm.

- I confirm that I am using the right version of GraphLab Create and the right IPython notebook.
- I am using SFrame and NumPy only.
- I am using other tools, and I understand that I may not be able to complete some of the quiz questions.

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1 point	:
2. In the f	function feature_derivative_with_L2 , was the intercept term rized?
0	Yes
0	No
	ne term with L2 regularization increase or decrease the log rod \(\emptyrease\) (w)? Increases Decreases
1 point	
	of the following words is not listed in either positive_words or ve_words ?
0	love
0	disappointed
0	great
0	money

1 point

quality

Logistic Regression with L2 regularization | Coursera 5. Questions 5 and 6 use the coefficient plot of the words in positive_words and negative_words. (True/False) All coefficients consistently get smaller in size as the L2 penalty is increased. True **False** 1 point 6. Questions 5 and 6 use the coefficient plot of the words in positive_words and negative_words. (True/False) The relative order of coefficients is preserved as the L2 penalty is increased. (For example, if the coefficient for 'cat' was more positive than that for 'dog', this remains true as the L2 penalty increases.) True False 1 point 7. Questions 7, 8, and 9 ask you about the 6 models trained with different L2 penalties. Which of the following models has the **highest** accuracy on the training data? Model trained with L2 penalty = 0 Model trained with L2 penalty = 4

Model trained with L2 penalty = 10

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0	Model trained with L2 penalty = 100	
0	Model trained with L2 penalty = 1e3	
0	Model trained with L2 penalty = 1e5	
1 point		
8.		
Question L2 pen	ons 7, 8, and 9 ask you about the 6 models trained with different alties.	
	of the following models has the highest accuracy on the tion data?	
0	Model trained with L2 penalty = 0	
0	Model trained with L2 penalty = 4	
0	Model trained with L2 penalty = 10	
0	Model trained with L2 penalty = 100	
0	Model trained with L2 penalty = 1e3	
0	Model trained with L2 penalty = 1e5	
1 point		
9. Questic L2 pen	ons 7, 8, and 9 ask you about the 6 models trained with different alties.	
Does the highest accuracy on the training data imply that the model is the best one?		
0	Yes	
0	No	

提交测试

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