Implementing ridge regression via gradient descent

8 试题

1 point

1.

We run ridge regression to learn the weights of a simple model that has a single feature (sqft_living), once with l2_penalty=0.0 and once with l2_penalty=1e11.

What is the value of the coefficient for sqft_living that you learned with no regularization, rounded to 1 decimal place? Use American-style decimals (e.g. 30.5)

263.0

1 point

2.

This question refers to the same model as the previous question.

What is the value of the coefficient for sqft_living that you learned with high regularization (l2_penalty=1e11)? Use American-style decimals (e.g. 30.5) and round your answer to 1 decimal place.

124.6

1 point	
3. This qu	nestion refers to the same model as the previous on.
regula	aring the lines you fit with the with no rization versus high regularization nalty=1e11), which one is steeper?
	Line fit with no regularization (l2_penalty=0)
	Line fit with high regularization (I2_penalty=1e11)
question duestion duestion question que transportant que transport	nestion refers to the same model as the previous
	Between 8e13 and 2e14
	Between 2e14 and 5e14
\bigcirc	Between 5e14 and 8e14
	Between 8e14 and 1e15
	Between 1e15 and 3e15

1 point 5.

We run ridge regression to learn the weights of a model that has two features (sqft_living, sqft_living15), once with l2_penalty=0.0 and once with l2_penalty=1e11.

What is the value of the coefficient for sqft_living that you learned with no regularization, rounded to 1 decimal place? Use American-style decimals (e.g. 30.5).

243.0

6.

point

This question refers to the same model as the previous question.

What is the value of the coefficient for sqft_living that you learned with high regularization (l2_penalty=1e11)? Use American-style decimals (e.g. 30.5) and round your answer to 1 decimal place.

91.5

1 point

7.

This question refers to the same model as the previous question.

Using the weights learned with high regularization (12_penalty=1e11), make predictions for the TEST data. In which of the following ranges does the TEST error (RSS) fall?

Between 8e13 and 2e14

Between 2e14 and 4e14



	Between 4e14 and 8e14
	Between 8e14 and 1e15
	Between 1e15 and 3e15
1 poin	nt .
8.	
This questi	uestion refers to the same model as the previous on.
weigh the w	
	The weights learned with no regularization (l2_penalty=0)
	The weights learned with high regularization (l2_penalty=1e11)
~	I, 伟臣 沈 , understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account. 了解荣誉准则的更多信息
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