Implementing LASSO using coordinate descent

8 questions
1 point 1. From the section "Effect of L1 penalty": Consider the simple model with 2 features trained on the entire sales dataset.
Which of the following values of l1_penalty <u>would not</u> set w[1] zero, but <u>would</u> set w[2] to zero, if we were to take a coordinate gradient step in that coordinate? (Select all that apply)
1.4e8
1.64e8
1.73e8
1.9e8
2.3e8
1 point 2. Refer to the same model as the previous question. Which of the following values of l1_penalty would set both w[1] and w[2] to zero, if we were to take a coordinate gradient step in that coordinate?
(Select all that apply)
1.4e8
1.64e8

_	1.73e8
	1.9e8
	2.3e8
feature	he section "Cyclical coordinate descent": Using the simple model (with 2 es), we run our implementation of LASSO coordinate descent on the lized sales dataset. We apply an L1 penalty of 1e7 and tolerance of 1.0.
	of the following ranges contains the RSS of the learned model on rmalized dataset?
0	Between 8e13 and 2e14
0	Between 2e14 and 5e14
0	Between 5e14 and 8e14
0	Between 8e14 and 1e15
0	Between 1e15 and 3e15
1 point 4. Refer to	o the same model as the previous question.
	of the following features were assigned a zero weight at rgence?
0	constant
0	sqft_living
0	bedrooms
1 point	

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In the section "Evaluating LASSO fit with more features", we split the data into training and test sets and learn weights with varying degree of L1 penalties. The model now has 13 features.
In the model trained with l1_penalty=1e7, which of the following features has non-zero weight? (Select all that apply)
constant
sqft_living
grade
waterfront
sqft_basement
1 point
6. This question refers to the same model as the previous question.
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	constant
	sqft_living
	grade
	waterfront
	sqft_basement
evalua	section "Evaluating each of the learned models on the test data", we te three models on the test data. The three models were trained with set of features but different L1 penalties.
Which	of the three models gives the lowest RSS on the TEST data?
Which	of the three models gives the lowest RSS on the TEST data? The model trained with 1e4
Which O	
Which O O	The model trained with 1e4
O O	The model trained with 1e4 The model trained with 1e7
O O	The model trained with 1e4 The model trained with 1e7

