Due Oct 9, 11:59 PM +0330

Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

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1.	Which of the following can address overfitting?	1/1 point
	✓ Apply regularization	
	 ✓ correct Regularization is used to reduce overfitting. 	
	Remove a random set of training examples	
	Select a subset of the more relevant features.	
	Correct If the model trains on the more relevant features, and not on the less useful features, it may generalize better to new examples.	
	✓ Collect more training data	
2.	You fit logistic regression with polynomial features to a dataset, and your model looks like this.	1/1 point
	What would you conclude? (Pick one)	
	O The model has high variance (overfit). Thus, adding data is, by itself, unlikely to help much.	
	O The model has high bias (underfit). Thus, adding data is likely to help	
	The model has high variance (overfit). Thus, adding data is likely to help	
	O The model has high bias (underfit). Thus, adding data is, by itself, unlikely to help much.	
	Correct The model has high variance (it overfits the training data). Adding data (more training examples) can help.	
з.	Suppose you have a regularized linear regression model. If you increase the regularization parameter λ , what do you expect to happen to the parameters $w_1, w_2,, w_n$?	1/1 point
	$lacktriangledown$ This will reduce the size of the parameters $w_1,w_2,,w_n$	
	$igcirc$ This will increase the size of the parameters $w_1, w_2,, w_n$	
	\bigcirc Correct Regularization reduces overfitting by reducing the size of the parameters w_1, w_2, w_n .	