Due Aug 28, 11:59 PM +03

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Graded Quiz • 50 min

Try again once you are reac

He won't be able to measure the bias of the model.

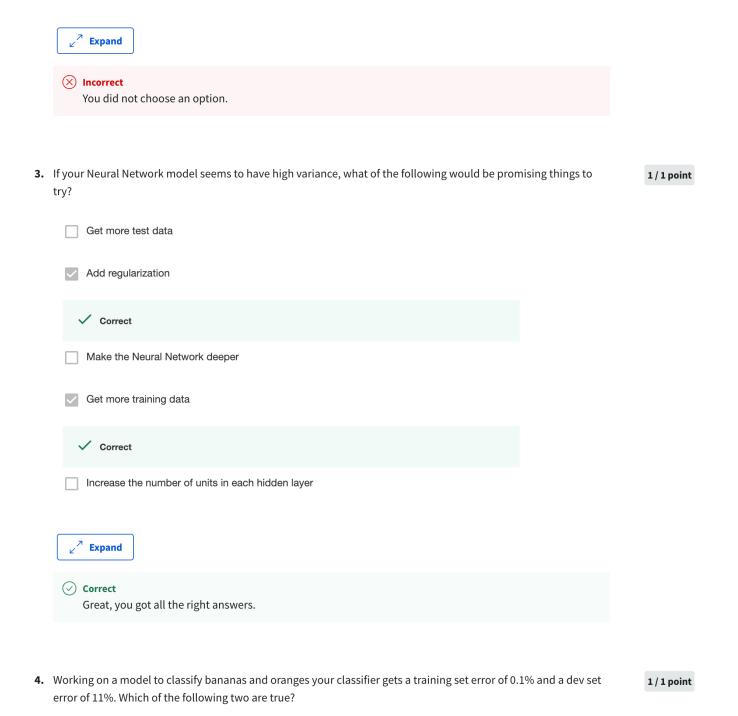
Grade received 70%

Latest Submission Grade 70%

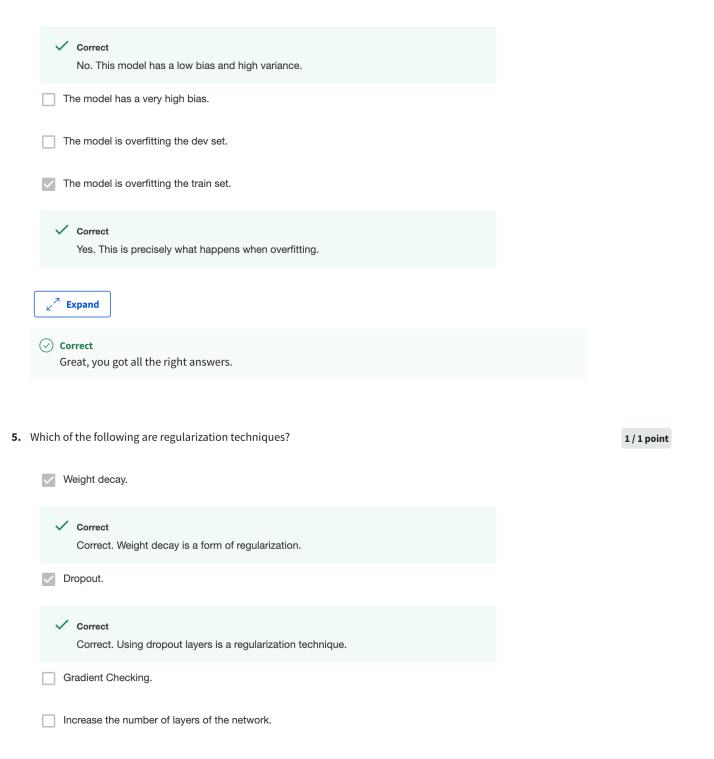
To pass 80% or higher

Try again

1.	If you have 20,000,000 examples, how would you split the train/dev/test set? Choose the best option.	1/1 point
	99% train. 0.5% dev. 0.5% test.	
	60% train. 20% dev. 20% test.	
	90% train. 5% dev. 5% test.	
	∠ [¬] Expand	
	 Correct Yes. Given the size of the dataset, 0.5% of the samples are enough to get a good estimate of how well the model is doing. 	
2.	In a personal experiment, an M.L. student decides to not use a test set, only train-dev sets. In this case which of the following is true?	0 / 1 point
	He might be overfitting to the dev set.	
	He won't be able to measure the variance of the model.	
	Not having a test set is unacceptable under any circumstance.	



The model has a high variance.



	∠ [¬] Expand	
	✓ CorrectGreat, you got all the right answers.	
6.	To reduce high variance, the regularization hyperparameter lambda must be increased. True/False?	1/1 point
	○ False	2,2po
	True	
	∠ [¬] Expand	
	 Correct Correct. By increasing the regularization parameter the magnitude of the weight parameters is reduced. This helps reduce the variance. 	
7.	With the inverted dropout technique, at test time:	1/1 point
	You apply dropout (randomly eliminating units) but keep the 1/keep_prob factor in the calculations used in training.	
	You apply dropout (randomly eliminating units) and do not keep the 1/keep_prob factor in the calculations used in training	
	You do not apply dropout (do not randomly eliminate units), but keep the 1/keep_prob factor in the calculations used in training.	
	You do not apply dropout (do not randomly eliminate units) and do not keep the 1/keep_prob factor in the calculations used in training	

