← Back	Practical aspects of deep learning Graded Quiz • 30 min			Due Jan 25, 2:59 AM EST
		○ Congratulations! You passed!	o next item	
		Grade received 90% To pass 80% or higher		
		Practical aspects of deep learning		
		Latest Submission Grade 90%		
		1. If you have 10,000,000 examples, how would you split the train/dev/test set?	1/1 point	
		O 60% train . 20% dev . 20% test		
1 1		33% train 33% dev 33% test		
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		2. The dev and test set should:	1/1 point	
		Come from the same distribution		
		Come from different distributions Be identical to each other (same (x,y) pairs)		
		Have the same number of examples		
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	Graded Quiz • 30 min	(Check all that apply.)	-,-p	5 de 3 dil 23, 2.33 AM E31
		Add regularization		
		★ This should not be selected		
		Make the Neural Network deeper		
		Increase the number of units in each hidden layer		
		Get more training data		
		This should not be selected Get more test data		
1		4. You are working on an automated check-out kiosk for a supermarket, and are building a classifier for apples, bananas and oranges. Suppose your classifier obtains a training set error of 0.5%, and a dev set error of 7%. Which	1/1 point	
← Back	Practical aspects of deep learning Graded Quiz • 30 min			Due Jan 25, 2:59 AM EST
		O a		
		Correct Decrease the regularization parameter lambda		
		Get more training data		
		Use a bigger neural network		
		a What is weight door 2		
		 What is weight decay? A regularization technique (such as L2 regularization) that results in gradient descent shrinking the weights on 	1/1 point	
		every iteration.		
/- Posts	Practical aspects of deep learning	The process of gradually decreasing the learning rate during training.		
← Back	Graded Quiz • 30 min	Gradual corruption of the weights in the neural network if it is trained on noisy data.		Due Jan 25, 2:59 AM EST
		6. What happens when you increase the regularization hyperparameter lambda?	1/1 point	
		Weights are pushed toward becoming smaller (closer to 0) Weights are pushed toward becoming smaller (closer to 0)		
		Weights are pushed toward becoming bigger (further from 0) Doubling lambda should roughly result in doubling the weights		
		Gradient descent taking bigger steps with each iteration (proportional to lambda)		
← Back	Practical aspects of deep learning Graded Quiz • 30 min			Due Jan 25, 2:59 AM EST
		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) 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.		
		⊘ Correct		
		8. Increasing the parameter keep_prob from (say) 0.5 to 0.6 will likely cause the following: (Check the two that apply)	1/1 point	
		Increasing the regularization effect		
4	Practical aspects of deep learning	Reducing the regularization effect		
← Back	Graded Quiz • 30 min	Causing the neural network to end up with a higher training set error		Due Jan 25, 2:59 AM EST
		Causing the neural network to end up with a lower training set error Causing the neural network to end up with a lower training set error		
		○ Correct		
		9. Which of these techniques are useful for reducing variance (reducing overfitting)? (Check all that apply.)	1/1 point	
		☐ Vanishing gradient		
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← Back		✓ L2 regularization		Due Jan 25, 2:59 AM EST
← Back		✓ L2 regularization ✓ Correct		Due Jan 25, 2:59 AM EST
← Back				Due Jan 25, 2:59 AM EST
← Back				Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking 		Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking ✓ Data augmentation 		Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking 		Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking ✓ Data augmentation 	1/1 point	Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking ✓ Data augmentation ✓ Correct 	1/1 point	Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking ✓ Data augmentation ✓ Correct 10. Why do we normalize the inputs x?	1/1 point	Due Jan 25, 2:59 AM EST
← Back		 ✓ Correct ✓ Correct ☐ Gradient Checking ✓ Data augmentation ✓ Correct 10. Why do we normalize the inputs x? ✓ It makes it easier to visualize the data 	1/1 point	Due Jan 25, 2:59 AM EST