Next Item

Quiz, 10 questions

✓	Congra	tulations! You passed!	
	~	1/1 points	

If you have 10,000,000 examples, how would you split the train/dev/test

98% train . 1% dev . 1% test

Correct

set?

- 60% train . 20% dev . 20% test
- 33% train . 33% dev . 33% test



1/1 points

2.

The dev and test set should:

Come from the same distribution

Correct

		Come from different distributions	
Practical as	pects	ef deepalearninger (same (x,y) pairs)	10/10 points (100%)
Quiz, 10 questions	0	Have the same number of examples	
	~	1 / 1 points	
	-	Neural Network model seems to have high bias, what of the ng would be promising things to try? (Check all that apply.)	
		Get more test data	
	Un-s	elected is correct	
		Add regularization	
	Un-s	elected is correct	
		Get more training data	
	Un-s	elected is correct	
		Make the Neural Network deeper	
	Corre	ect	
		Increase the number of units in each hidden layer	
	Corre	ect	

4. You are working on an automated check-out kiosk for a supermarket, and Practical aspectsion deap significations Bles, bananas and oranges. Suppose your 10/10 points (10)						
Quiz, 10 questions	classifier obtains a training set error of 0.5%, and a dev set error of 7%. Which of the following are promising things to try to improve your classifier? (Check all that apply.)					
	Increase the regularization parameter lambda					
	Correct					
	Decrease the regularization parameter lambda					
	Un-selected is correct					
	Get more training data					
	Correct					
	Use a bigger neural network					
	Un-selected is correct					
	1/1 points					
	5. What is weight decay?					
	A technique to avoid vanishing gradient by imposing a ceiling on the values of the weights.					
	Gradual corruption of the weights in the neural network if it is trained on noisy data.					
	The process of gradually decreasing the learning rate during training.					

Quiz, 10 questions

Correct

10/10 points (100%)

COIT	
~	1 / 1 points
6. What l lambd	nappens when you increase the regularization hyperparameter a?
0	Weights are pushed toward becoming smaller (closer to 0)
Corr	ect
	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)
~	1 / 1 points
7. With tl	ne inverted dropout technique, at test time:
	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 apply dropout (randomly eliminating 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 Practical aspects of idep learning

10/10 points (100%)

Quiz, 10 questions

Correc	t
~	1 / 1 points
	ng the parameter keep_prob from (say) 0.5 to 0.6 will likely cause wing: (Check the two that apply)
	Increasing the regularization effect
Un-sel	ected is correct
Correc	Reducing the regularization effect
	Causing the neural network to end up with a higher training set error
Un-sel	ected is correct
	Causing the neural network to end up with a lower training set error
Correc	t



1/1

points

Which of these techniques are useful for reducing variance (reducing

overfitting)? (Check all that apply.) Practical aspects of deep learning Xavier initialization 10/10 points (100%) Quiz, 10 questions **Un-selected** is correct Exploding gradient **Un-selected** is correct Data augmentation Correct **Gradient Checking Un-selected is correct** Vanishing gradient **Un-selected is correct** Dropout Correct L2 regularization



Correct

1/1 points