Congratulations! You passed! Next Item 1/1 point If you have 10,000,000 examples, how would you split the train/dev/test set? 60% train . 20% dev . 20% test 98% train . 1% dev . 1% test Correct 33% train . 33% dev . 33% test 1/1 point 2. The dev and test set should: Come from the same distribution Correct Come from different distributions Be identical to each other (same (x,y) pairs)

Quiz, 1	10 q	uestio	ns
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4.

1/1 point
3. If your Neural Network model seems to have high bias, what of the following would be promising things to try (Check all that apply.)
Make the Neural Network deeper
Correct
Get more test data
Un-selected is correct
Add regularization
Un-selected is correct
Increase the number of units in each hidden layer
Correct
Get more training data
Un-selected is correct
1/1 point

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 of the following are promising things to try to improve your classifier? (Check all that apply.)

Increase the regularization parameter lambda

Tac tiea uiz, 10 quest	retaspects of deep learning
	Decrease the regularization parameter lambda
Un-s	elected is correct
	Get more training data
Corre	ect
	Use a bigger neural network
Un-s	elected is correct
×	0 / 1 point
5. What is	s weight decay?
	Gradual corruption of the weights in the neural network if it is trained on noisy data.
0	A technique to avoid vanishing gradient by imposing a ceiling on the values of the weights.
This	should not be selected
	A regularization technique (such as L2 regularization) that results in gradient descent shrinking the weights on every iteration.
	The process of gradually decreasing the learning rate during training.
	1/1
	point
6. What h	nappens when you increase the regularization hyperparameter lambda?

Weights are pushed toward becoming smaller (closer to 0)

Practica Quiz, 10 quest	raspects of deep learning
	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)
×	0/1 point
7. With th	ne inverted dropout technique, at test time:
	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
0	You apply dropout (randomly eliminating units) but keep the 1/keep_prob factor in the calculations used in training.
This	should not be selected
	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.
✓	1 / 1 point
8. Increas apply)	sing the parameter keep_prob from (say) 0.5 to 0.6 will likely cause the following: (Check the two that
	Increasing the regularization effect
Un-s	elected is correct
	Reducing the regularization effect

Practical aspects of deep learning

Quiz, 10 questions Causing the neural network to end up with a higher training set error **Un-selected is correct** Causing the neural network to end up with a lower training set error Correct 1/1 point Which of these techniques are useful for reducing variance (reducing overfitting)? (Check all that apply.) Dropout Correct L2 regularization Correct Exploding gradient **Un-selected is correct** Data augmentation Correct Xavier initialization **Un-selected is correct**

Gradient Checking Practical aspects of deep learning

Quiz,	10 questio	ons		
	Ún-sel	lected	is	correct

Ün-s	Un-selected is correct		
Vanishing gradient Un-selected is correct			
~	1 / 1 point		
10. Why d o	o we normalize the inputs x ?		
0	It makes the cost function faster to optimize		
Corre	ect		
	It makes it easier to visualize the data		
	It makes the parameter initialization faster		
	Normalization is another word for regularizationlt helps to reduce variance		





