← Practical aspects of deep learning Quiz, 10 questions

10/10 points (100.00%)

	Congratulations! You passed!	Next Item
~	1/1 point	
1.		
If you	have 10,000,000 examples, how would you split the train/dev/test set?	
	33% train . 33% dev . 33% test	
0	98% train . 1% dev . 1% test	
Corr	ect	
	60% train . 20% dev . 20% test	
	1/1	
\	point	
2.		
The de	ev and test set should:	
0	Come from the same distribution	
Corr	ect	
	Come from different distributions	
	Be identical to each other (same (x,y) pairs)	
	Have the same number of examples	
	·	
~	1/1 point	
3.		
If your	Neural Network model seems to have high bias, what of the following would be promisin	g things to try? (Check all that apply.)
	Make the Neural Network deeper	
Corr	ect	

0/2019	improving Deep Neural Networks: Hyperparameter tuni	ng, Regularization and Optimization - Home Coursera
← Un-s	Add regularization Practical aspects of deep learning Quiz, 10 questions elected is correct	10/10 points (100.00%)
	Get more training data	
Un-	elected is correct	
	Increase the number of units in each hidden layer	
Cor	ect	
	Get more test data	
Un-	elected is correct	
	1 / 1 point e working on an automated check-out kiosk for a supermarket, and ar	
	se your classifier obtains a training set error of 0.5%, and a dev set erromprove your classifier? (Check all that apply.) Increase the regularization parameter lambda	or of 7%. Which of the following are promising things to
Corr	ect	
	Decrease the regularization parameter lambda	
Un-	elected is correct	
	Get more training data	
Cori	ect	
	Use a bigger neural network	
Un-	elected is correct	
~	1/1 point	
5. Wha t	s weight decay?	
	The process of gradually decreasing the learning rate during training	
	A technique to avoid vanishing gradient by imposing a ceiling on the	values of the weights.

dual corruption of the weights in the neural network if it is trained on noisy data. Ctical aspects of deep learning 10/10 points (100.00%) With Middle to technique (such as L2 regularization) that results in gradient descent shrinking the weights on every ation.
Williams and the common second
1/1 point ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ens when you increase the regularization hyperparameter lambda? ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ghts are pushed toward becoming smaller (closer to 0) ghts are pushed toward becoming bigger (further from 0) ubling lambda should roughly result in doubling the weights
ghts are pushed toward becoming bigger (further from 0) Ibling lambda should roughly result in doubling the weights
ıbling lambda should roughly result in doubling the weights
ıbling lambda should roughly result in doubling the weights
ıbling lambda should roughly result in doubling the weights
dient descent taking bigger steps with each iteration (proportional to lambda)
dient descent taking bigger steps with each iteration (proportional to lambad)
oint
rerted dropout technique, at test time:
do not apply dropout (do not randomly eliminate units) and do not keep the 1/keep_prob factor in the calculations used
raining
apply dropout (randomly eliminating units) and do not keep the 1/keep_prob factor in the calculations used in training
apply dropout (randomly eliminating units) but keep the 1/keep_prob factor in the calculations used in training.
do not apply dropout (do not randomly eliminate units), but keep the 1/keep_prob factor in the calculations used in
ning.
•

(Practical aspects of deep learning Quiz, 10 questions	10/10 points (100.00%)
		Causing the neural network to end up with a higher training set error	
	Un-s	elected is correct	
	Corre	Causing the neural network to end up with a lower training set error	
•) .	1/1 point	
V	Vhich	of these techniques are useful for reducing variance (reducing overfitting)? (Check all that apply.) Dropout ect	
	Corre	L2 regularization	
	Un-se	Xavier initialization	
	Un-se	Gradient Checking elected is correct	
	Un-se	Vanishing gradient elected is correct	
	Corre	Data augmentation	
	Un-se	Exploding gradient elected is correct	
-			



1/1 point

10. W hy d	Practical aspects of deep learning Quiz, 10 questions It makes it easier to visualize the data	10/10 points (100.00%)				
	It makes the parameter initialization faster					
0	It makes the cost function faster to optimize					
Correct						
	Normalization is another word for regularizationlt helps to reduce variance					

, **?** P