



		Get more training data
		Un-selected is correct
1/1 point	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 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
	5.	What is weight decay?
_	٥.	Gradual corruption of the weights in the neural network if it is trained on noisy
1 / 1 point		data.
		The process of gradually decreasing the learning rate during training.
		 A regularization technique (such as L2 regularization) that results in gradient descent shrinking the weights on every iteration.
		Correct
		A technique to avoid vanishing gradient by imposing a ceiling on the values of the weights.
~	6.	What happens when you increase the regularization hyperparameter lambda?
1 / 1 point		Weights are pushed toward becoming smaller (closer to 0)
		Correct
		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 point	7.	With the 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) and do not keep the 1/keep_prob factor in the calculations used in training Correct 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), but keep the 1/keep_prob factor in the calculations used in training.
1/1 point	8.	Increasing the parameter keep_prob from (say) 0.5 to 0.6 will likely cause the following: (Check the two that apply) Increasing the regularization effect Un-selected is correct Reducing the regularization effect Correct 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	9.	Which of these techniques are useful for reducing variance (reducing overfitting)? (Check all that apply.) Vanishing gradient Un-selected is correct Un-selected is correct L2 regularization

	Correct
	Exploding gradient
	Un-selected is correct
	Dropout
	Correct
	Xavier initialization
	Un-selected is correct
	Data augmentation
	Correct
•	10 . Why do we normalize the inputs x ?
1/1	It makes it easier to visualize the data
point	It makes the cost function faster to optimize
	Correct
	Normalization is another word for regularizationIt helps to reduce variance
	It makes the parameter initialization faster







