## Practical aspects of deep learning

LATEST SUBMISSION GRADE

100%

1.	If you have 10,000,000 examples, how would you split the train/dev/test set?	1/1 point
	33% train . 33% dev . 33% test	
	98% train . 1% dev . 1% test	
	O 60% train . 20% dev . 20% test	
	✓ Correct	
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	
	✓ Correct	

3.	If your Neural Network model seems to have high variance, what of the following would be promising things to try?
	Increase the number of units in each hidden layer
	Get more training data
	✓ Correct
	✓ Add regularization
	✓ Correct
	Make the Neural Network deeper
	Get more test data
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 deviset 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
	Get more training data

9. Which of these techniques are useful for reducing variance (reducing overfitting)? (Check all that apply.)	1/1 point
L2 regularization	
✓ Correct	
Vanishing gradient	
✓ Data augmentation	
✓ Correct	
☑ Dropout	
Correct	
Exploding gradient	
Xavier initialization	
Gradient Checking	
10. Why do we normalize the inputs $x$ ?	1/1 point
It makes the parameter initialization faster	
It makes it easier to visualize the data	
It makes the cost function faster to optimize	
Normalization is another word for regularizationlt helps to reduce variance	
✓ Correct	