

TO PASS 80% or higher

Week 4 Quiz

LATEST S	UBMISSION	GRADE
100%	6	

It will be slower

70 70	
The diagram for traditional programming had Rules and Data In, but what came out?	1 / 1 point
Answers	
Binary	
Machine Learning	
O Bugs	
✓ Correct	
Why does the DNN for Fashion MNIST have 10 output neurons?	1/1 point
O To make it train 10x faster	
O To make it classify 10x faster	
O Purely Arbitrary	
The dataset has 10 classes	
✓ Correct	
What is a Convolution?	1/1 point
A technique to make images smaller	
A technique to make images larger	
A technique to extract features from an image	
A technique to remove unwanted images	
✓ Correct	
Applying Convolutions on top of a DNN will have what impact on training?	1/1 point

	O It will be faster	
	There will be no impact	
	It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!	r
	✓ Correct	
5.	What method on an ImageGenerator is used to normalize the image?	1/1 point
	normalize	
	O flatten	
	O rezize()	
	rescale	
	✓ Correct	
6.	When using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-disk.	1/1 point
	A copy will be made, and the copies are augmented	
	A copy will be made, and the originals will be augmented	
	Nothing	
	The images will be edited on disk, so be sure to have a backup	
	✓ Correct	
7.	Can you use Image augmentation with Transfer Learning?	1/1 point
	O No - because the layers are frozen so they can't be augmented	
	Yes. It's pre-trained layers that are frozen. So you can augment your images as you train the bottom layers of the DNN with them	
	✓ Correct	
8.	When training for multiple classes what is the Class Mode for Image Augmentation?	1/1 point
	Class_mode='multiple'	
	Class_mode='non_binary'	
	class_mode='categorical'	
	Class_mode='all'	