

Congratulations! You passed!

Grade received 100% $\,$ To pass 80% or higher

Retake the assignment in **7h 58m**

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Week 4 Quiz

Latest Submission Grade 100%	
1. The diagram for traditional programming had Rules and Data In, but what came out?	1/1 point
Answers	
Binary	
Machine Learning	
O Bugs	
Correct Exactly! Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.	
2. Why does the DNN for Fashion MNIST have 10 output neurons?	1/1point
To make it train 10x faster	
To make it classify 10x faster	
O Purely Arbitrary	
The dataset has 10 classes	
Correct Exactly! There are 10 output neurons because we have 10 classes of clothing in the dataset. These should always match.	
3. 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	
4. Applying Convolutions on top of a DNN will have what impact on training?	1/1point
O It will be slower	
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! Property Propert	

5.	What method on an ImageGenerator is used to normalize the image?	1/1 point
	O normalize	
	O flatten	
	O rezize()	
	rescale	
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	
7.	Can you use Image augmentation with Transfer Learning?	1/1 point
	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	
8.	When training for multiple classes what is the Class Mode for Image Augmentation?	1/1 point
	Class_mode='multiple'	
	Class_mode='non_binary'	
	(a) class_mode='categorical'	
	Class_mode='all'	
	○ Correct Nicely done!	

Exactly!