Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

Retake the assignment in



1/1 point

1.	The diagram for traditional programming had Rules and Data In, but what came out?	1/1 point
	Answers Binary Machine Learning 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? To make it train 10x faster To make it classify 10x faster 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.	1/1 point
3.	What is a Convolution? 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	1/1 point
4.	Applying Convolutions on top of a DNN will have what impact on training? 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!	1/1 point
5.	What method on an ImageGenerator is used to normalize the image? onormalize flatten rezize() rezize() Correct Correctl	1/1 point
6.	When using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-disk. 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 That is, in fact, true. Nothing happens.	1/1 point
7.	Can you use Image augmentation with Transfer Learning? 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 You've got it!	1/1 point

 $\textbf{8.} \quad \text{When training for multiple classes what is the Class Mode for Image Augmentation?}$

Class mode='multiple'

class_mode='rangorical'
class_mode='categorical'
class_mode='all'

Correct
Nicely done!