Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)

✓ Congratulations! You passed! Next Item			
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1/1 point 1.			
The diagram for traditional programming had Rules and Data In, but what came out?			
Answers			
Correct			
Binary			
Machine Learning			
Bugs			
1/1 point			
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			

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z, 8 questions					
3. What i	is a Convolution?				
	A technique to make images smaller				
	A technique to make images larger				
0	A technique to extract features from an image				
Corr	rect				
	A technique to remove unwanted images				
~	1 / 1 point				
4. Applyi	ng 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				
0	It depends on many factors. It might make your training faster or slower, and a poorl Convolutional layer may even be less efficient than a plain DNN!	y designed			
Corr	rect				
~	1 / 1 point				
5. Wha t i	method on an ImageGenerator is used to normalize the image?				
	normalize				
	flatten				
	rezize()				

rescale

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~	1/1 point				
6. When disk.	using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-				
	A copy will be made, and the copies are augmented				
	A copy will be made, and the originals will be augmented				
0	Nothing				
Correct					
	The images will be edited on disk, so be sure to have a backup				
✓	1/1 point				
7. Can yo	ou use Image augmentation with Transfer Learning?				
	No - because the layers are frozen so they can't be augmented				
0	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					
~	1/1 point				
8. When	training for multiple classes what is the Class Mode for Image Augmentation?				
	class_mode='multiple'				
	class_mode='non_binary'				

class_mode='categorical'
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class_mode='all'			