Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

1.
The diagram for traditional programming had Rules and Data In, but what came out?

- [x] Answers

Correct

- [ ] Binary
- [ ] Machine Learning
- [ ] Bugs

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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
- [x] The dataset has 10 classes

Correct

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1 / 1 point

3.
What is a Convolution?

- [ ] A technique to make images smaller
- [ ] A technique to make images larger
- [x] A technique to extract features from an image

Correct

A technique to remove unwanted images

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!

Correct

1 / 1 point

5.
What method on an ImageGenerator is used to normalize the image?

- normalize
- flatten
- rezize()
- rescale

Correct

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

Correct

The images will be edited on disk, so be sure to have a backup

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

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'

Correct

- class_mode='all'