Week 4 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

Using Image Generator, how do you label images?

1 / 1 point

⦿

It's based on the directory the image is contained in

◯

TensorFlow figures it out from the contents

◯

It's based on the file name

◯

You have to manually do it

Correct

2.

Question 2

What method on the Image Generator is used to normalize the image?

1 / 1 point

◯

normalize_image

◯

Rescale_image

○

normalize

◉

rescale

Correct

3.

Question 3

How did we specify the training size for the images?

1 / 1 point

○

The training_size parameter on the training generator

○

The training_size parameter on the validation generator

○

The target_size parameter on the validation generator

◉

The target_size parameter on the training generator

Correct

4.

Question 4

When we specify the input_shape to be (300, 300, 3), what does that mean?

1 / 1 point

○

There will be 300 images, each size 300, loaded in batches of 3

○

There will be 300 horses and 300 humans, loaded in batches of 3

◉

Every Image will be 300x300 pixels, with 3 bytes to define color

○

Every Image will be 300x300 pixels, and there should be 3 Convolutional Layers

Correct

5.

Question 5

If your training data is close to 1.000 accuracy, but your validation data isn't, what's the risk here?

1 / 1 point

○

You're overfitting on your validation data

○

You're underfitting on your validation data

◉

You're overfitting on your training data

○

No risk, that's a great result

Correct

6.

Question 6

Convolutional Neural Networks are better for classifying images like horses and humans because:

1 / 1 point

○

In these images, the features may be in different parts of the frame

○

There's a wide variety of horses

○

There's a wide variety of humans

◉

All of the above

Correct

7.

Question 7

After reducing the size of the images, the training results were different. Why?

1 / 1 point

○

There was more condensed information in the images

○

The training was faster

○

There was less information in the images

◉

We removed some convolutions to handle the smaller images

Correct