

## Week 4 Quiz

Quiz, 7 questions

6/7 points (85.71%)



# Congratulations! You passed!

Next Item



1 / 1  
point

1.

Using Image Generator, how do you label images?

- ☐ TensorFlow figures it out from the contents
- ☐ You have to manually do it
- ☒ It's based on the directory the image is contained in

Correct

- ☐ It's based on the file name



1 / 1  
point

2.

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

- ☐ Rescale\_image
- ☐ normalize\_image
- ☒ rescale

Correct

- ☐ normalize

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3.

How did we specify the training size for the images?

- ☐ The target\_size parameter on the training generator
- ☐ The training\_size parameter on the validation generator
- ☐ The target\_size parameter on the validation generator
- ☒ The training\_size parameter on the training generator

**This should not be selected**1 / 1  
point

4.

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

- ☒ Every Image will be 300x300 pixels, with 3 bytes to define color
- ☐ There will be 300 horses and 300 humans, loaded in batches of 3
- ☐ There will be 300 images, each size 300, loaded in batches of 3
- ☐ Every Image will be 300x300 pixels, and there should be 3 Convolutional Layers

1 / 1  
point

5.

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

- ☐ You're underfitting on your validation data
- ☐ No risk, that's a great result

You're overfitting on your training data

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☐ You're overfitting on your validation data

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1 / 1  
point

6.

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

- ☐ 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

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1 / 1  
point

7.

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

- ☐ The training was faster
- ☒ We removed some convolutions to handle the smaller images



Correct

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- ☐ There was more condensed information in the images
  - ☐ There was less information in the images
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