

## Week 4 Quiz

测验, 7 个问题

7/7 分 (100.00%)

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分数

1.

Using Image Generator, how do you label images?

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

**正确**

- ☐ It's based on the file name

1 / 1  
分数

2.

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

- ☐ normalize\_image
- ☒ rescale

**正确**

- ☐ normalize
- ☐ Rescale\_image

1 / 1  
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How did we specify the training size for the images?

☒ The target\_size parameter on the training generator



正确

☐ The target\_size parameter on the validation generator

☐ The training\_size parameter on the validation generator

☐ The training\_size parameter on the training generator

1 / 1  
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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



正确

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

☐ 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

1 / 1  
分数

5.  
If your training data is close to 1.000 accuracy, but your validation data isn't, what's the risk here?

☐ You're overfitting on your validation data

☐ You're underfitting on your validation data

☒ You're overfitting on your training data



正确

☐ No risk, that's a great result

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1 / 1  
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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



正确

1 / 1  
分数

7.

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

- ☐ 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



正确

