Week 4 Quiz

Quiz, 7 questions

7/7 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

1.
Using Image Generator, how do you label images?

- [x] It's based on the directory the image is contained in

Correct

- [ ] It's based on the file name
- [ ] TensorFlow figures it out from the contents
- [ ] You have to manually do it

1 / 1 point

2.
What method on the Image Generator is used to normalize the image?

- [x] rescale

Correct

- [ ] normalize
- [ ] normalize_image
- [ ] Rescale_image

1 / 1 point

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3. How did we specify the training size for the images?

- [x] The target_size parameter on the training generator

Correct

- [ ] The target_size parameter on the validation generator
- [ ] The training_size parameter on the training generator
- [ ] The training_size parameter on the validation generator

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✔ 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, and there should be 3 Convolutional Layers
- [ ] There will be 300 images, each size 300, loaded in batches of 3
- [x] Every Image will be 300x300 pixels, with 3 bytes to define color

Correct

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

✔ 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 overfitting on your validation data
- [ ] You're underfitting on your validation data
- [ ] No risk, that's a great result
- [x] You're overfitting on your training data

Correct

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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

Correct

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

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