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Week 4 Quiz

NOTA DO ENVIO MAIS RECENTE

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

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



Correto

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

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- ☐ normalize_image
- ☒ rescale
- ☐ normalize
- ☐ Rescale_image

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

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- ☐ 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

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

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

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

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

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

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- ☐ 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

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

1 / 1 ponto

- ☐ There was more condensed information in the images
- ☐ The training was faster
- ☒ We removed some convolutions to handle the smaller images
- ☐ There was less information in the images

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