Back

Week 2 Quiz

Graded Assignment • 30 min

English Due May 4, 10:59 PM CST

1. When using image augmentation with image_dataset_from_directory, what happens to your raw image data on-disk. 1 point

- It gets overwritten, so be sure to make a backup
- A copy is made and the augmentation is done on the copy
- Nothing, all augmentation is done in-memory
- It gets deleted

2. How does image augmentation help solve overfitting? 1 point

- It slows down the training process
- It manipulates the training set to generate more scenarios for features in the images
- It manipulates the validation set to generate more scenarios for features in the images
- It automatically fits features to images by finding them through image processing techniques

3. True or False: Using image augmentation effectively simulates having a larger variation of images in the training dataset. 1 point

- False
- True

4. When using image augmentation, model training gets... 1 point

- slower
- faster
- stays the same
- much faster

5. If my training data only has people facing left, but I want to classify people facing right, how would I avoid overfitting? 1 point

- Use the 'flip' parameter of image_dataset_from_directory
- Use the 'flip' parameter of image_dataset_from_directory and set 'horizontal'
- Use the RandomFlip layer and set mode='vertical'
- Use the RandomFlip layer and set mode='horizontal'

6. How do you use image augmentation in TensorFLow 1 point

- You have to write a plugin to extend tf.layers
- With the tf.augment API
- With the keras.augment API
- Using preprocessing layers from the Keras Layers API

7. After adding data augmentation and using the same batch size and steps per epoch, you noticed that each training epoch became a little slower than when you trained without it. Why? 1 point

- Because there is more data to train on
- Because the augmented data is bigger
- Because the training is making more mistakes
- Because the image preprocessing takes cycles

8. What does the fill_mode parameter do? 1 point

- There is no fill_mode parameter
- It creates random noise in the image
- It attempts to recreate lost information after a transformation like a shear
- It masks the background of an image

Close