Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

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1. How do you use Image Augmentation in TensorFLow — 1 / 1 point

- (●) Using parameters to the ImageDataGenerator
- ( ) You have to write a plugin to extend tf.layers
- ( ) With the keras.augment API
- ( ) With the tf.augment API

Correct
Correct!

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

- (●) Use the 'horizontal_flip' parameter
- ( ) Use the 'flip' parameter
- ( ) Use the 'flip_vertical' parameter around the Y axis
- ( ) Use the 'flip' parameter and set 'horizontal'

Correct
That's right!

3. 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 / 1 point

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

Correct
That's right! It will take some time to generate and load the additional images into memory.

4. What does the fill_mode parameter do? — 1 / 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

Correct
That's right!

5. When using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-disk. — 1 / 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

Correct

That's right!

6. How does Image Augmentation help solve overfitting? **1 / 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

Correct
That's right!

7. When using Image Augmentation my training gets... **1 / 1 point**

- ◉ Slower
- ○ Faster
- ○ Stays the Same
- ○ Much Faster

Correct
That's right!

8. Using Image Augmentation effectively simulates having a larger data set for training. **1 / 1 point**

- ○ False
- ◉ True

Correct
Exactly!