

Week 2 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

How do you use Image Augmentation in TensorFlow

1 / 1 point

☐

With the `keras.augment` API

☐

You have to write a plugin to extend `tf.layers`

☒

Using parameters to the `ImageDataGenerator`

☐

With the `tf.augment` API

Correct

2.

Question 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'` parameter and set `'horizontal'`

☐

Use the `'flip_vertical'` parameter around the Y axis

Correct

3.

Question 3

When training with augmentation, you noticed that the training is a little slower. Why?

1 / 1 point

☐

Because there is more data to train on

☒

Because the image processing takes cycles

☐

Because the augmented data is bigger

☐

Because the training is making more mistakes

Correct

4.

Question 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

5.

Question 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

6.

Question 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

7.

Question 7

When using Image Augmentation my training gets...

1 / 1 point



Slower



Faster



Stays the Same



Much Faster

Correct

8.

Question 8

Using Image Augmentation effectively simulates having a larger data set for training.

1 / 1 point



False



True

Correct