Graded Quiz _ C2W2

Congratulations! You passed!

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

1. **How do you use Image Augmentation in TensorFLow**

   - ( ) You have to write a plugin to extend tf.layers
   - (•) Using parameters to the ImageDataGenerator
   - ( ) 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?**

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

   Correct
   That's right!

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

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

   Correct
   That's right!

4. **What does the fill_mode parameter do?**

- ○ **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.

- ○ 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?

- ○ 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...

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

Correct
That's right!

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

- ○ False
- ◉ True

Correct
Exactly!