Week 2 Quiz

87.5%

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1. How do you use Image Augmentation in TensorFLow

    ○ With the tf.augment API

    ⦿ Using parameters to the ImageDataGenerator

    ○ With the keras.augment API

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

    > ✓ Correct

    `1 / 1 point`

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_vertical' parameter around the Y axis

    ⦿ Use the 'horizontal_flip' parameter

    ○ Use the 'flip' parameter and set 'horizontal'

    ○ Use the 'flip' parameter

    > ✓ Correct

    `1 / 1 point`

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

    ○ Because the image processing takes cycles

    🔴 Because the training is making more mistakes

    ⦿ Because the augmented data is bigger

    ○ Because there is more data to train on

    > ! Incorrect

    `0 / 1 point`

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

    `1 / 1 point`

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. 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. When using Image Augmentation my training gets...   `1 / 1 point`

◉ Slower

○ Faster

○ Stays the Same

○ Much Faster

✓ Correct

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

○ False

◉ True

✓ Correct