

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

1.Question 1

What does `flow_from_directory` give you on the ImageGenerator?

All of the above

2.Question 2

If my Image is sized 150x150, and I pass a 3x3 Convolution over it, what size is the resulting image?

148x148

3.Question 3

If my data is sized 150x150, and I use Pooling of size 2x2, what size will the resulting image be?

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75x75

4.Question 4

If I want to view the history of my training, how can I access it?

Create a variable 'history' and assign it to the return of `model.fit` or `model.fit_generator`

5.Question 5

What's the name of the API that allows you to inspect the impact of convolutions on the images?

The `model.layers` API

6.Question 6

When exploring the graphs, the loss levelled out at about .75 after 2 epochs, but the accuracy climbed close to 1.0 after 15 epochs. What's the significance of

this?

There was no point training after 2 epochs, as we overfit to the training data

7.Question 7

Why is the validation accuracy a better indicator of model performance than training accuracy?

The validation accuracy is based on images that the model hasn't been trained with, and thus a better indicator of how the model will perform with new images.

8.Question 8

Why is overfitting more likely to occur on smaller datasets?

Because there's less likelihood of all possible features being encountered in the training process.

END