Week 1 Quiz
Quiz, 8 questions

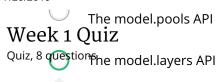
7/8 points (87.50%)

<b>/</b>	Congratulations! You passed! Next Item				
<b>~</b>	1 / 1 point				
1. What o	does flow_from_directory give you on the ImageGenerator?				
	The ability to easily load images for training				
	The ability to pick the size of training images				
	The ability to automatically label images based on their directory name				
0	All of the above				
Correct					
<b>~</b>	1 / 1 point				
2.	Image is sized 150x150, and I pass a 3x3 Convolution over it, what size is the resulting image?				
	148x148				
Cour	rrect				
Corr	rrect				
	150x150				
	153x153				
	450x450				

Week 1 Qu	$iZ^{/1}$
Ouiz, 8 questions	point

7/8 points (87.50%)

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3.		
	data is sized 150x150, and I use Pooling of size 2x2, what size will the resulting image be?	
0	75x75	
Corr	word.	
Corr	rect	
	149x149	
	148x148	
	300x300	
<b>~</b>	1 / 1 point	
4. If I war	ant to view the history of my training, how can I access it?	
	Use a model.fit_generator	
	Download the model and inspect it	
	Pass the parameter 'history=true' to the model.fit	
0	Create a variable 'history' and assign it to the return of model.fit or model.fit_generator	
Corr	rect	
<b>~</b>	1 / 1 point	
5. <b>What's</b>	s the name of the API that allows you to inspect the impact of convolutions on the images?	
	The model.images API	
	The model convolutions API	



7/8 points (87.50%)

close to

Correct

×	0/1 point
6.	
	exploring the graphs, the loss levelled out at about .75 after 2 epochs, but the accuracy climbed c er 15 epochs. What's the significance of this?
	There was no point training after 2 epochs, as we overfit to the validation data
	There was no point training after 2 epochs, as we overfit to the training data
0	A bigger training set would give us better validation accuracy
This	should not be selected
	A bigger validation set would give us better training accuracy
<b>~</b>	1/1 point
7.	
Why is	the validation accuracy a better indicator of model performance than training accuracy?
	It isn't, they're equally valuable
	There's no relationship between them
0	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.
Corr	ect

The validation dataset is smaller, and thus less accurate at measuring accuracy, so its performance

isn't as important

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8. Why is overfitting more likely to occur on smaller datasets?	
Because in a smaller dataset, your validation data is more likely to look like your training	ng data
Because there isn't enough data to activate all the convolutions or neurons	
Because with less data, the training will take place more quickly, and some features ma	ay be missed
Because there's less likelihood of all possible features being encountered in the trainin	g process.
Correct	