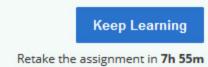


✓ Congratulations! You passed!

TO PASS 80% or higher



GRADE 100%

Week 1 Quiz

Week i Quiz		
	0%	
1.	What does flow_from_directory give you on the ImageGenerator?	1 / 1 point
	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	
	✓ Correct	
2.	If my Image is sized 150x150, and I pass a 3x3 Convolution over it, what size is the resulting image?	1/1 point
	(a) 148x148	
	① 153x153	
	① 150x150	
	○ 450x450	
	430,430	
	✓ Correct	
	▼ tsillet	
3.	If my data is sized 150x150, and I use Pooling of size 2x2, what size will the resulting image be?	1 / 1 point
	A 40440	
	() 300x300	
		
	<i>→ → → → → → → → → → → → → → → → → → → </i>	
	✓ Correct	
4.	If I want to view the history of my training, how can I access it?	1 / 1 point
	O Download the model and inspect it	
	Use a model.fit_generator	
	Create a variable 'history' and assign it to the return of model.fit or model.fit_generator	
	Pass the parameter 'history=true' to the model.fit	
	✓ Correct	
	○ The model.pools API	
	The model.layers API	
	○ The model.images API	
	The model.convolutions API	
	✓ Correct	
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?	1 / 1 point
	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	
	A bigger training set would give us better validation accuracy	
	✓ Correct	
	Correct	
7.	Why is the validation accuracy a better indicator of model performance than training accuracy?	1 / 1 point
	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.	
	The validation dataset is smaller, and thus less accurate at measuring accuracy, so its performance isn't as	
	important	
	✓ Correct	
	✓ Correct	
8.	✓ Correct Why is overfitting more likely to occur on smaller datasets?	1/1 point

O 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 may be missed

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