

Logout

Return to "Al Programming with Python Nanodegree" in the classroom

Use a Pre-trained Image Classifier to Identify Dog Breeds

REVIEW	CODE REVIEW	HISTORY
Meets Specifications		
	understanding of using ML classifiers within Python. Onward to the next project!	
	anderstanding of using ML classifiers within rython. Onward to the flext project:	
Timing Code	he should be used and after the use in least finished	
	he start of main code and after the main logic has been finished. on here. This is a really useful tool to both manipulate the user experience and to che	bok on the performance of your projects
especially as they scale in size and comple		tex on the performance of your projects,
Command Line arguments		
adds command line argument for 'dir' uses default ='pet_images/'		
Excellent work adding thedir command line argument! This allows the user to change the working directory as and when required, and doesn't limit them to using just one specified directory.		
adds command line argument for 'arch' default='vgg'		
Same goes for thearch CLI. You've demonstrated good knowledge of this!		
adds command line argument for 'dogfile' default='dognames.txt'		
Nice job with thedogfile CLI		
Pet Image Labels		
Makes sure files starting with '.' are igno	red.	
Checks for '.' using a conditional statement. Great work ignoring certain file types!		
	et format and retriover 40 key value naire	
e.g:- {'Poodle_07956.jpg': ['poodle'], 'fox_s		
Brilliant job building the dog label dictiona format, no matter how much the filename	ary! This was a tricky part of the project, and proves you have the skills to manipulate as themselves differ. Well done!	data (filenames) to produce a given
'in_arg.dir' is passed as an argument insi	de check_images.py while calling the get_pet_labels function.	
Nice - you've passed in the arguments ret the get_pet_labels function.	rieved from the user (via arg parsing, the defaults are used if the user doesn't specify	anything) and passed them correctly to
Classifying Images		
Appends images_dir to each value before	e making the function call.	
classifier(images_dir+users_key, model) Great work here in passing the image directory (the argument obtained using the arg_parser as specified by the user, of by the default argument), the key (filename) and the model architecture to the classifier function. Just to recap this bit - this function then makes calls to the pre-trained image classifier neural network which has been		
-	v to predict what the images you pass to it are.	
Convert the output to lower case and str	ាp any whitespaces	
Formatting looks good!		
Appends 1 to correct label, and 0 to false	ely classified values	
Classifying Labels as Dogs		
Check the displayed output and see if al	Check the displayed output and see if all matches are appropriately displayed.	
Good stuff - all matches between the true	Good stuff - all matches between the true labels (i.e. adjusted filenames) and the Al classifier labels are correctly categorised.	
Check the displayed output and see if all non matches are appropriately displayed		
All the displayed outputs match up and ar	e appropriately displayed, good job.	
Results		
All three models score as expected.		
Brilliant - all model outputs score as expected. Well done.		

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