

Final Case Study: MLAI, Deep Learning

Use the dataset

This data set contains 200 high resolution images of common world objects. The images in this dataset belong to the following classes:

1. Acoustic guitar
2. Airliner
3. Arabian camel
4. Chihuahua
5. Church
6. German Shepherd
7. Laptop
8. Tabby
9. Violin

Your task is to use a pre-trained model such as VGG16, to arrange these images in new folders, where images of one class are in one folder.

Submission requirements:

1. The code used to arrange data files
2. A csv file with a column on the folder name for each image (based on the class inferred from the model)

file	folder
00001.jpg	acoustic
000045.jpg	laptop



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3. Make sure you maintain the following folder names for the classes:

Category	Folder Name
Acoustic Guitar	acoustic
Airliner	airliner
Arabian camel	arabian
Chihuahua	chihuahua
Church	church
German Shepherd	german
Laptop	laptop
Tabby	tabby
Violin	violin