JIGSAW ACADEMY
THE ONLINE SCHOOL OF ANALYTICS

Final Case Study: MLAI, Deep Learning

Use the dataset stored here –

https://s3.us-east-2.amazonaws.com/datafaculty/final_case/final_data.zip

This data set contains more than 500 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

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