

PlantDoc-Dataset

Unit description: Within the file structure, each unit in this dataset is an image of a crop.

Variables:

- Folder path
 - o Ex: \PlantDoc-Dataset\train\Apple leaf\2017-09-23-07-48-04.jpg
 - o This folder names along this path provide the labels for the image as well as the whether the data entry is in the training set or the testing set
- Image
 - o Each image is a .jpg

Folder structure:

- PlantDoc-Dataset
 - test
 - o Apple leaf
 - o Apple rust leaf
 - o Apple Scab Leaf
 - o Bell_pepper leaf
 - o Bell_pepper leaf spot
 - o Blueberry leaf
 - o Cherry leaf
 - o Corn Gray leaf spot
 - o Corn leaf blight
 - o Corn rust leaf
 - o grape leaf
 - o grape leaf black rot
 - o Peach leaf
 - o Potato leaf early blight
 - o Potato leaf late blight
 - o Raspberry leaf
 - o Soyabean leaf
 - o Squash Powdery mildew leaf
 - o Strawberry leaf
 - o Tomato Early blight leaf
 - o Tomato leaf
 - o Tomato leaf bacterial spot
 - o Tomato leaf late blight

- Tomato leaf mosaic virus
- Tomato leaf yellow virus
- Tomato mold leaf
- Tomato Septoria leaf spot
- train
 - Apple leaf
 - Apple rust leaf
 - Apple Scab Leaf
 - Bell_pepper leaf
 - Bell_pepper leaf spot
 - Blueberry leaf
 - Cherry leaf
 - Corn Gray leaf spot
 - Corn leaf blight
 - Corn rust leaf
 - grape leaf
 - grape leaf black rot
 - Peach leaf
 - Potato leaf early blight
 - Potato leaf late blight
 - Raspberry leaf
 - Soyabean leaf
 - Squash Powdery mildew leaf
 - Strawberry leaf
 - Tomato Early blight leaf
 - Tomato leaf
 - Tomato leaf bacterial spot
 - Tomato leaf late blight
 - Tomato leaf mosaic virus
 - Tomato leaf yellow virus
 - Tomato mold leaf
 - Tomato Septoria leaf spot
 - Tomato two spotted spider mites leaf

Data entry count:

Image Classification	Number of Training Images	Number of Testing Images
Apple Scab Leaf	83	10
Apple leaf	82	9
Apple rust leaf	79	10
Bell_pepper leaf spot	62	9
Bell_pepper leaf	53	8
Blueberry leaf	106	11
Cherry leaf	47	10
Corn Gray leaf spot	63	4
Corn leaf blight	180	12
Corn rust leaf	106	10
Peach leaf	103	9
Potato leaf early blight	109	8
Potato leaf late blight	97	8
Raspberry leaf	112	7
Soybean leaf	57	8

Squash Powdery mildew leaf	124	6
Strawberry leaf	88	8
Tomato Early blight leaf	79	9
Tomato Septoria leaf spot	140	11
Tomato leaf bacterial spot	101	9
Tomato leaf late blight	101	10
Tomato leaf mosaic virus	44	10
Tomato leaf yellow virus	70	6
Tomato leaf	55	8
Tomato mold leaf	85	6
Tomato two spotted spider mites leaf	2	N/A
grape leaf black rot	56	8
grape leaf	57	12
Total	2342	236