



Python Leaf Disease Prediction

WEEK 1 1



Data Science
Academy

CASE STUDY



Disclaimer: While case study is real, data is modified for educational purposes.

Dataset: You can download dataset [here](#). The different versions of the dataset are present in the raw directory. Use images in the color folder.

Description: The PlantVillage dataset consists of healthy and unhealthy leaf images divided into 38 categories by species and disease.

You are asked to train a model with following steps:

1. Classify image data
2. Find optimal learning rate
3. Evaluate loss and accuracy
4. See most confused classes (confusion matrix and top confused pictures)
5. Save model

Complete Homework with following steps:

1. Name your final Homework Script as "Plant disease Classifiaction".
2. Create repository named "Fastai-plant_disease" in your Github account and push your script to this repository.
3. Fork other users' repositories, make pull requests (at least one, making three pull requests is desirable).

Note: Your pull requests should either fix problems or add new features.