HW02

Classification

In agriculture, the productivity of crops depends a lot on the weather, care regime, pests and diseases, etc. To increase productivity, growers need to take measures to limit the effects of the above factors.

However, the plant itself also has certain diseases and often manifests itself on the stem, leaves, etc., abnormal expressions on plants are often related to a certain disease.

In order to help growers, identify the type of disease present in crops, students are provided with a data set of images of plant diseases and a data set of identified diseases (train.csv and test.csv) includes 4 types:

- Combinations
- Healthy
- Rust
- Scab

Datasets plant-pathology-2020-fgvc7.zip - Google Drive

Requirements:

- Install machine learning algorithms learned to determine the type of disease for any input image.

- The results are reported after analysis and installation.

Notes:

- Use Python language.

- Allow use arbitrary framework/library.

- Write pure code by yourself (priority and bonus).

- Homework only a student.

- Prohibited copy from other students.

Rules for Submission:

Student need to submit a single compressed file named with form <MSSV.zip> (ex: 1912000.zip) includes:

- PDF form: contain the contents of the analysis and algorithms have been installed.

- Source code: .py or .ipynb form that is runnable on Colab.