



DataScientest • com

Plant recognition

Relevant training course: Data Scientist

Level of difficulty: 06/10

Description of the project:

The objective of this project is to locate and classify the species of a plant in an image. Once the classification is made, you can return to the user a description of it and identify the possible diseases. The application will therefore be able, from an image taken by the camera, to give a succession of information to the user.

Resources to refer to:

- **Data:**
 - Species ID:
<https://www.kaggle.com/vbookshelf/v2-plant-seedlings-dataset>
<https://storage.googleapis.com/openimages/web/download.html>
<https://cocodataset.org/#home>
 - Disease on plants:
<https://www.kaggle.com/vipooooool/new-plant-diseases-dataset>
<https://www.kaggle.com/saroz014/plant-disease>
[https://www.kaggle.com/abdallahalidev/plantvillage-data set](https://www.kaggle.com/abdallahalidev/plantvillage-data-set)
- **Bibliography:**
 - <https://hal.archives-ouvertes.fr/hal-01629183/document>
 - https://play.google.com/store/apps/details?id=org.plantnet&hl=en_US
 - <https://www.plantsnPlantNet.com/> Plant Identification - Apps on Google Play

Validation conditions for the project:

- an exploration, data visualization and data pre-processing **report** ;
- a modeling **report** ;
- a final **report** and associated **GitHub**.

[DataScientest.com](https://www.data-scientest.com)

Training organisation approval 11755665975

+33 9 80 80 79 49

2 place de Barcelone, 75016 Paris