

# Training - Python Scripting



DAPYTH-EN-D



Distance only



1 day

Python is a user-friendly programming language, which is commonly used in artificial intelligence projects and machine learning projects. It includes many modules for creating graphical user interfaces, connecting to relational databases..., which makes it one of the main software currently used in data science projects today

## Level

Awareness

## Public

Graduate from all technical disciplines. Tailored to the non-programmer

## Objectives

Attendees will be able to implement the following skills:

- Acquire the basics for scripting in Python language

## Pedagogical & technical resources

- Participative lecturing
- Case studies
- Team work/mini-project

## Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

## Prerequisites

No prerequisites are necessary to follow this course

## Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

## Program

### INTRODUCTION TO PYTHON

Discover Python basic syntax (Python string syntax; comments, numbers, and variables rules and functions (Python rules; string functions) objects, properties and methods; looping; write to a file - Have scripts create a text file (writing to a text file; file workflow).

### CREATE PYTHON SCRIPTING FOR GIS

Create a script tool for geoprocessing; document the tool.

### MINI-PROJECT

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.  
Please contact our disabled persons referent to check the accessibility of this training program : [referent.handicap@ifptraining.com](mailto:referent.handicap@ifptraining.com)