Python for Economists

Discovering basic Python functionalities

Emilien Valat

October 10, 2022

University of Bristol, School of Economics

Table of contents

1. Workshop Overview

2. Addendum from last Session

3. Some housekeeping

4. Now to coding!

Workshop Overview

Aims of each session

- Discovering the Python environment and language (Python)
- Writing your first web-scraping script (Python/HTML)
- Querying and Processing a large dataset (Python/PyTorch)

Addendum from last Session

Let's have a look at what can Python do:

• Maths (Scipy, Numpy)

- Maths (Scipy, Numpy)
- Visualisation (Pandas, Seaborn, Matplotlib)

- Maths (Scipy, Numpy)
- Visualisation (Pandas, Seaborn, Matplotlib)
- Machine Learning (PyTorch, TensorFlow)

- Maths (Scipy, Numpy)
- Visualisation (Pandas, Seaborn, Matplotlib)
- Machine Learning (PyTorch, TensorFlow)
- Graphic Interfaces (TkInter)

- Maths (Scipy, Numpy)
- Visualisation (Pandas, Seaborn, Matplotlib)
- Machine Learning (PyTorch, TensorFlow)
- Graphic Interfaces (TkInter)
- Web-Development (Django)

- Maths (Scipy, Numpy)
- Visualisation (Pandas, Seaborn, Matplotlib)
- Machine Learning (PyTorch, TensorFlow)
- Graphic Interfaces (TkInter)
- Web-Development (Django)
- BigData (Psycopg, Pyodbc)

Some housekeeping

Why and how to use Git?

The course material is hosted on a GitHub repository. But why is that so?

Why and how to use Git?

The course material is hosted on a GitHub repository. But why is that so? Steps to follow for Git Version control

- · Download and install Git client
- Open VSCode in a folder
- Open a terminal
- Run "git clone https://github.com/Emvlt/econ-cs.git"

Installing Anaconda Packages

Let's try to create an environment and install the following packages:

- BeautifulSoup
- Requests

Now to coding!