

# Data analysis with Python

Fabio Hernandez

- For this module, we need your active participation: you are expected to follow along with the instructor
- You have been provided an URL and your individual credentials
  - use them to log into the notebook environment
  - you will find a clean, ready-to-use Jupyter environment where all the material has been verified to work
- Once logged in, you will clone the git repository which contains the notebooks so that you can execute them
  - you can instead use your own computer if you so wish
  - a recent installation of Anaconda with Python 3.7 is highly recommended

<https://134.158.244.30>

<https://134.158.244.40>



## CC-IN2P3 WORKSHOP

Sign in

Username:

Password:

Sign In

**Please ignore the warning about the server certificate**

JupyterLab

Not Secure | <https://134.158.244.40/user/fabio/lab?redirects=1>

File Edit View Run Kernel Tabs Settings Help

Launcher

Notebook

Anaconda

Console

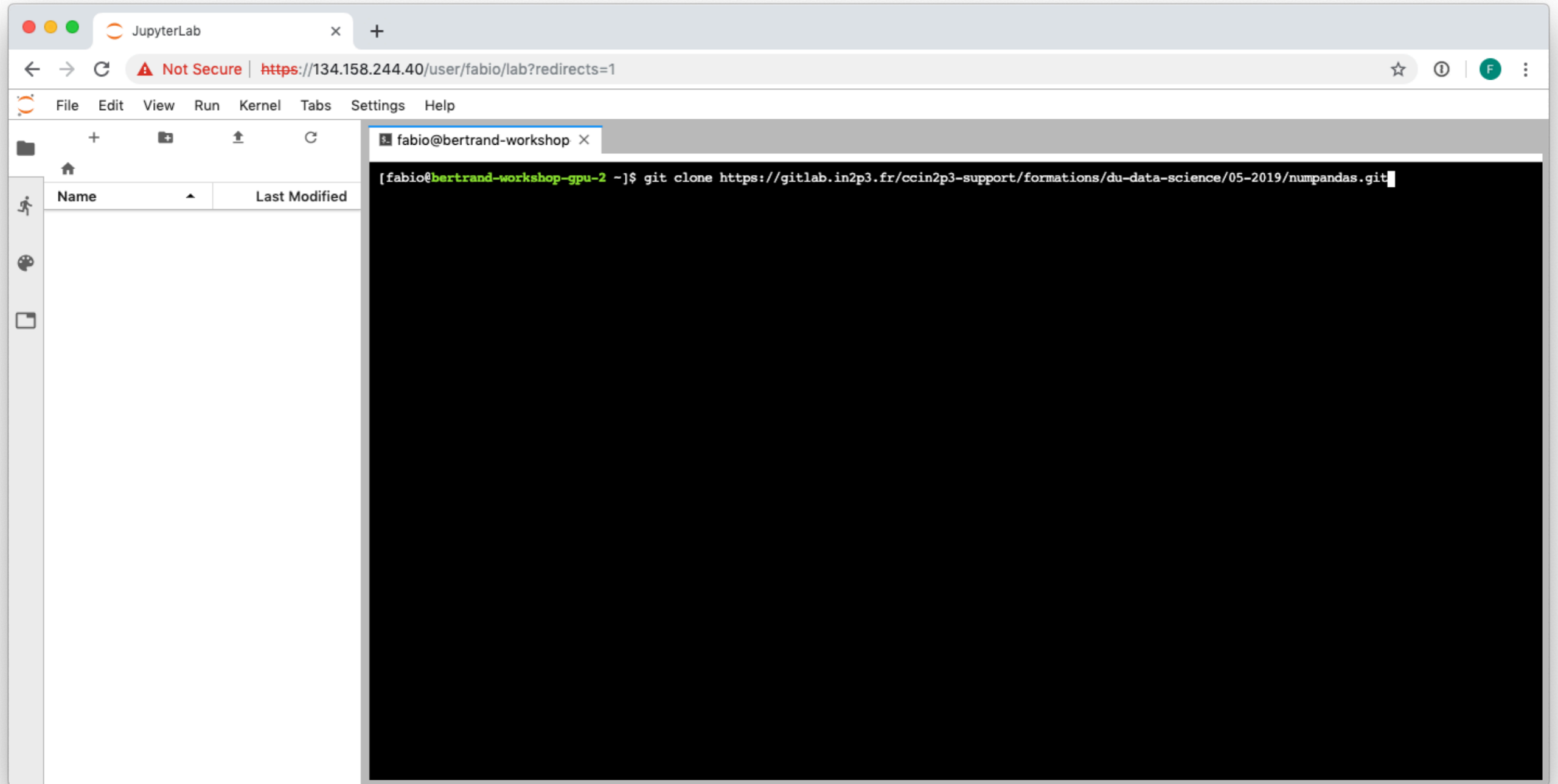
Anaconda

Other

Terminal

Text File

Name Last Modified



```
git clone https://gitlab.in2p3.fr/ccin2p3-support/formations/du-data-science/05-2019/numpandas.git
```


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NumPy.ipynb pandas.ipynb visualisation.ipynb Anaconda

numpandas

Name	Last Modified
data	a minute ago
NumPy.ipynb	seconds ago
pandas.ipynb	in a few seconds
visualisation.ipynb	in a minute
README.md	3 minutes ago

# NumPy Tutorial



*Author: Fabio Hernandez*

*Last updated: 2019-05-15*

*Location: <https://github.com/airnandez/numpandas>*

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## Introduction

This is a short tutorial for helping you getting familiar with the NumPy library. NumPy is written in C and Python and has its origins back in 2005. It is at the heart of several scientific libraries of the Python ecosystem, such as Pandas, SciPy, etc.

This tutorial draws inspiration, ideas and sometimes material from several publicly available sources. Please see the [Acknowledgements](#) section for more details and to deep further on that material.

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## Reference documentation

The entry point to get the NumPy documentation is [www.numpy.org](http://www.numpy.org), including a [tutorial](#), a [user guide](#) and a [reference manual](#). Although not strictly required, you are encouraged to open the reference documentation alongside this notebook to follow along.

The [DataCamp NumPy Cheat Sheet](#) can be also a useful quick reference.