

Introduction to Python for data analysis

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Who?



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- I'm from Genova (Italy), but now I live in Lugano.
- Bachelor in Economics, Minor Finance.
- In September I'll start the Master in Finance.



Who?

My experience with Python:

- Summer school at USI: Digitise, Optimise and Visualise.
- Thesis: collect and analyse data.
- Personal: I have used python for portfolio optimisations and I am currently studying algorithmic trading.



Why Data Analysis

- Data Analysis covers almost every research field.
- Makes complex datasets easily understandable.
- Great to communicate results.



Why Python

- Python is one of the best and most popular programming languages.
- It's relative easy to learn, and there are plentiful online resources.



Learning objective

After this module you should be able to:

- Use the Jupyter environment
- Load, inspect, and analyse a dataset using Pandas and Numpy
- Create simple data visualisation using Matplotlib



Mainly **learning-by-doing**.

- ① Jupyter environment
- ② Quick intro to Python, what is a package
- ③ Work with datasets (cross-section and time series)



(Italian course 22-23 July)



Link of the QR code for PC users.



(English course 29 July)



Link of the QR code for PC users.

