

Python programming language for Data Science

6 hours Course

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COURSE AIMS:

The course, over a span of 6 hours, will introduce the fundamentals of Python as a programming language for the Data Science.

COURSE CONTENTS:

Fundamentals of the Python language

09:00 Assignments, loops and conditions. Functions, parameters and variables scope. Recursion.

10:00 Complex data structures: lists, files and dataframes.

 Packages for scientific calculus (Numpy, Scipy)

11:00 A Graphical User Interface for Python: Tkinter

12:00-13:00 Lunch break

Python for Data Science

13:00 Explorative data analysis. Simple charts (scatter, histogram, heat map, etc.).

 Image processing

14:00 Web scraping with Beautiful Soup

15:00 Simple neural networks. Introduction to Time series analysis and forecasting.

Requirements: a personal laptop with Python and Pycharm packages installed.

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PhD Course

22nd February 2023

Aula 18, 9:00–12:00 and 13:00-16:00

via Garzetta 48, Brescia

[Click here to join the meeting](#)

