

Software Carpentry Workshop - Materials Physics Center (CFM)

Date & place: Software Carpentry Workshop - Materials Physics Center (CFM), December 16th, 2019, and January 14, 15, 16 and 23rd, 2020 ([workshop webpage](#)). Thursday 16th session.

Content: Introduction to Scientific Python

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Abstract

Introductory lesson for Scientific Computing with Python based on the [SciPy](#) stack having four parts:

- An overview of the Scientific Python ([SciPy](#)) ecosystem.
- An introduction to [NumPy](#), based on Valentin Haenel's [SciPy 2013 Tutorial](#).
- A very short practical introduction to [Matplotlib](#).
- A guided hands-on demonstration of some of the [SciPy](#) library subpackages.

Participants are encouraged to follow the hands-on parts in their laptops. For this is enough with just having the [Anaconda](#) Python scientific stack installed. Installation is straightforward and you can follow eg. this [installation instructions](#). Please use the Python 3 version for your platform.

Targeted audience: scientific and technical people interested in computing, data analysis, task automation,...

Content level: beginner

Audience prerequisites: basic general programming knowledge. Python knowledge is desirable for the evening sessions, but not essential if you have experience with any other programming language.

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