Software Carpentry Workshop - San Sebastian 2017 - Scientific Python Lesson

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Abstract

Introductory lesson for Scientific Computing with Python based on the SciPy stack having five parts:

- An overview of the Scientific Python (SciPy) ecosystem.

- A short introduction to the Jupyter notebooks web based interactive computational environment.

- An introduction to NumPy, based on Valentin Haenel's SciPy 2013 Tutorial.

- A very short practical introduction to Matplotlib.

- A guided hands-on demostration of some of the SciPy library subpackages.

The 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.

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

Content level: beginner

Audience prerequisites: basic general programming knowledge. Python knowledge is desirable but not essential if you have experience with any other programming languaje.

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