Python from Zero to Data Science

Online workshop including lecture and coding sessions

Powered by HIFIS, IHRS BioSoft, HIDSS4Health, and BIF-IGS offer an online basic course on Python. The English-language course, with an emphasis on live coding, addresses novices to programming and consists of two parts:

Monday to Wednesday, **3.-5.11.2025, 10am to 5pm**
First Steps in Python

Monday to Wednesday, 10.-12.11.2025, 10am to 5pm
Pandas and Matplotlib

Previous Knowledge
Neither prior knowledge nor experience in programming is needed.

Content
The course will introduce basic concepts of Python. Emphasis will be put on live coding (i.e., learners write their code along with the instructors) and overcoming the initial learning hurdles together. Hands-on exercises provide opportunities to test the newly acquired knowledge.

Goal
Enable the participants to write their own scripts in Python to automatically evaluate data and solve recurring or laborious tasks by automation.

Technical Requirements
Participants are asked to bring a computer on which they can install software. Please consult the course website for further information on the required Python installation.

Registration, Further Details, and Up-to-date Information in Case of Changes
https://events.hifis.net/e/py25

All interested Ph.D. students and postdocs can register. If the course is overbooked, priority will be given to the members (fellows) of the three organizing schools.

In order to register, you will have to log in to the booking system. If you do not have access to Helmholtz AAI via a Helmholtz centre, you can alternatively use your ORCID ID that you can create here: https://orcid.org. A quick guide to Helmholtz AAI is available at https://go.fzj.de/HelmholtzAAI.

Registration is mandatory and participation is subject to the availability of places. Fellows (members) of the three organising schools will be preferentially admitted.

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Registration Deadline: 29.09.2025

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