

Welcome

Welcome to Software Carpentries at CERN

- Over three days we will cover the fundamentals of:
 - **Unix** (e.g. shell, bash and scripting)
 - **Git and Github** – how to version control your code
 - **Python** – fundamentals of using the Python language
Jupyter Notebooks and **SWAN**
 - **Python for analysis** – how to combine Python with ROOT to start analysing data
(i.e. pyroot and uproot)
- This training is aimed at those who are new to HEP and want a fast-track to competency with software fundamentals, as well the non-expert self-taught who wish to ensure they do not have gaps in their knowledge.



We teach foundational coding and data science skills to researchers worldwide.



What we do

The Carpentries teaches foundational coding, and data science skills to researchers worldwide. Software Carpentry, Data Carpentry, and Library Carpentry workshops are based on our lessons. Workshop hosts, Instructors, and learners must be prepared to follow our [Code of Conduct](#).

[More >](#)



Who we are

Our diverse, global community includes [Instructors](#), [helpers](#), [Trainers](#), [Maintainers](#), [Mentors](#), [community champions](#), [member organisations](#), [supporters](#), [workshop organisers](#), [staff](#) and a whole lot [more](#).

[More >](#)



Get involved

See all the [ways you can engage](#) with The Carpentries. Get information about upcoming events such as workshops, meetups, and discussions from our [community calendar](#), or from our twice-monthly [newsletter](#), *Carpentry Clippings*. Follow us on [Twitter](#), [Facebook](#), and [Slack](#).

[More >](#)

Logistics

- Agenda page: <https://indico.cern.ch/event/834411/>
- Wednesday Nov 27 morning and afternoon: KJ Auditorium (30/7-018)
- Thursday Nov 28 morning: KJ Auditorium (30/7-018)
- Thursday Nov 28 afternoon: IT Auditorium (31-3-004)
- Friday Nov 29 morning: Filtration plant (222-R-001)
- Friday Nov 29 afternoon: KJ Auditorium (30/7-018)

- Its our first attempt for this sort of training at CERN. Please bear with us 😊
 - We want your feedback about what worked or didn't work, and what sort of changes would make things better next time
- "Demand" was much bigger than "supply" for this course, so we hope to be able to do it again.
 - We hope some of you will be interesting in helping out as tutors next time.. New volunteers are needed to sustain this sort of course, and previous students are the best candidates.

And thanks to our organizers,
instructors and tutors
(all volunteer)

- Thanks to the [HEP software foundation](#) (HSF) and [IRIS-HEP](#) for organizing this event.
- Thanks to the US National Science Foundation (NSF, [FIRST-HEP](#) grant) for sponsoring the Carpentries instructors travel and our coffee breaks



One more small survey...

- <https://forms.gle/DE6YbEZYTTToNWKVM8>