Evaluation HPC-python Dec 5-6 2024

8-9 answered

Overall, how would you rate today's training event?

7.88

Today's content and feedback to the lecturers (e.g. materials, exercises, structure): – What did you like best?

The breadth of topics. The availability of course material.
The documentation is super clear and beautiful. Besides that GPUs, parallel computing and big data.
The wide range of topics covered"
I really like the machine learning lectures. I also like that the course covered different areas where we can python. The introduction for people that never worked in any HPC it was also good.
Some of the courses were detailed and easy to follow while other felt extensive, but just so you know i did'nt used python before
Overall good course material. I liked there were options for several different HPC systems and to see the difference between them, especially different ways to start jupyter, but also loading and such, it made the course more useful since we usually have to switch between systems
Recorded. Online. Good material

Today's content and feedback to the lecturers (e.g. materials, exercises, structure): – Where should we improve?

Maybe involve Dardel
I felt some parts were unnecessary detailed (e.g. matplotlib) while I would prefer to have more practical exercises on cluster specific tasks such as installing environments, making jupyter run...
I believe it's unnecessary to detail the specific requirements for each server, as they are already present in the prepared material. Preparing this material is a significant effort, but I believe the focus should be on the general idea rather than differentiating between the various computing centers or analyzing commonalities. Each individual will then determine how to run it on their respective server.
Time Management; More time to do the exercises - more practical; The introduction part could be done previously, for me I worked with a HPC so it was a little repetitive. More comments in the codes; More clear instructions.
it was too much for two day course, would be good to divide into three or four days so that there was time for exercises.
Longer course! Add atleast 1-2 days or there is too little time for the material and for exercises
I think the introduction to the basic python in the beginning could be skipped, later material is so advanced that this should be regarded as prerquisite for the course. Maybe a bit to much material, perhaps IDEs could be introduced in a second course..
Too much material for two days. Maybe make it a bit longer

Training event organisation (e.g. announcement, registration, ...): – What did you like best?

Nothing to complain
I think organisation was great.
The material prepared
A reminder more close to the data; A clear schedule;
Everything seem perfect
Keep up the good work!
nothing very specifically: very clear information and this well ahead of training - excellent.
Good

Which future training topics would you like to be provided by the training host(s)?

How to move data between my desktop and the cluster?
containers
Python for bioinformatics
More in depth ML
more detailed course on parallelisation, connecting python with other languages, performance tips with slurm jobs (local data on the nodes,...)
Scientific python

Would you recommend this training event to others?

100 % yes

Length of teaching today was

Adequate: 63% Too short: 37% Too long: 0%

Depth of content was

Adequate: 75% Too superficial 25%

The pace of teaching was

Adequate: 50% Too fast 50%

Teaching aids used (e.g. slides) were well prepared

Agree (completely): 100 % No strong feelings

Hands-on exercises and demonstrations were

OK: 38% Few: 63%

Hands-on exercises and demonstrations were well prepared

Agree (completely): 50 % No strong feelings 25% Disagree 25%

How would you rate the instructors overall teaching performances?

7-10, 8.33

Do you feel you achieved your desired learning outcome?

Yes: 100%

Did today's course meet your expectation?

Yes: 100% Not sure 17%

Do you have any additional comments?

Thank you.

Thank you so much for such a great course and all your work

Thanks for teaching about virtual environments! I have never used the one that comes with Python and it is really useful and easy. Thanks for the course!

How would you rate the separate sessions?

Poor Fair/Good Very good/excellent

	Poor	Fair/good	Very good/Excellent	Did not attend
Intro		25	75	
Load and run			88	12
Install packages		13	75	12
Batch mode		25	75	
Interactive		13	88	
matplotlib		88	13	
GPU		38	62	
pandas		25	50	25
seaborn		38	37	25
Parallel		25	62	13
Big data		13	62	25
ML		25	75	

Give your confidence levels of the following statements

Day 1

All can | > 50% can | some /LOW (higher priority than 50%)

1 person NO | 2- persons NO

some NO IDEA **X**

Using the module system to load a specific version of Python
Run Python
Using the Python interpreter
Running a Python script
Determining if a Python package is/is not installed
Work (create, activate, work, deactivate) with a venv virtual environment
Export and import a virtual environment
Install a Python package
Write a batch script
Submit a script to the job scheduler
Start Jupyter
Start spyder
Find and load the matplotlib module
Run a small Python script that uses matplotlib
Save my data from the matplotlib GUI X
Make a statistical plot with matplotlib
Write a bash script that uses GPUs

Day 2

All can | > 50% can | some /LOW (higher priority than 50%)

1 person NO | 2- persons NO

some NO IDEA **X**

Load a module that contains Pandas
Use Pandas Series
Use Pandas DataFrame
Select a subset of a Pandas DataFrame
Find and load a module with Seaborn X
Start a script that uses parallel code
Measure the effect of using more nodes for parallel code X
Big data: Allocate resources sufficient to data size
Big data: Decide on useful file formats
Big data: Use data-chunking as technique
Find out which ML/DL tools are installed
Load the correct modules to use the installed ML/DL tools
Run a simple program using PyTorch
Run a simple program that uses TensorFlow

Conclusion