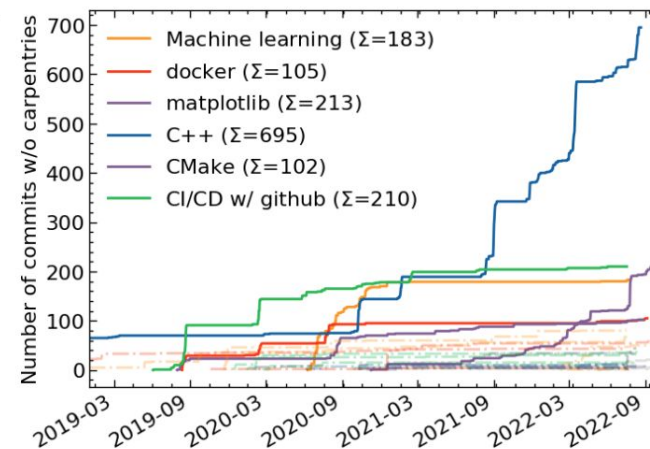
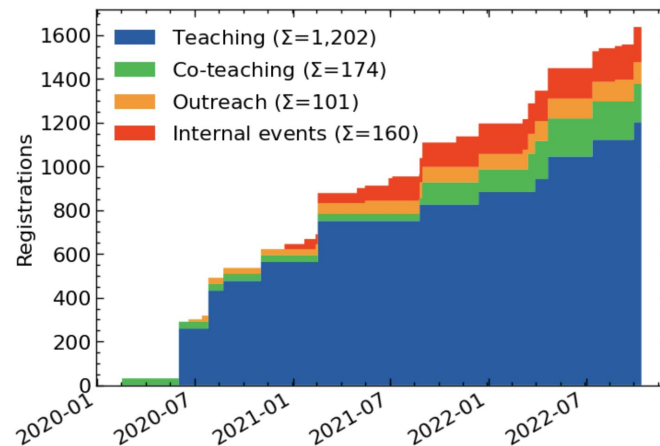
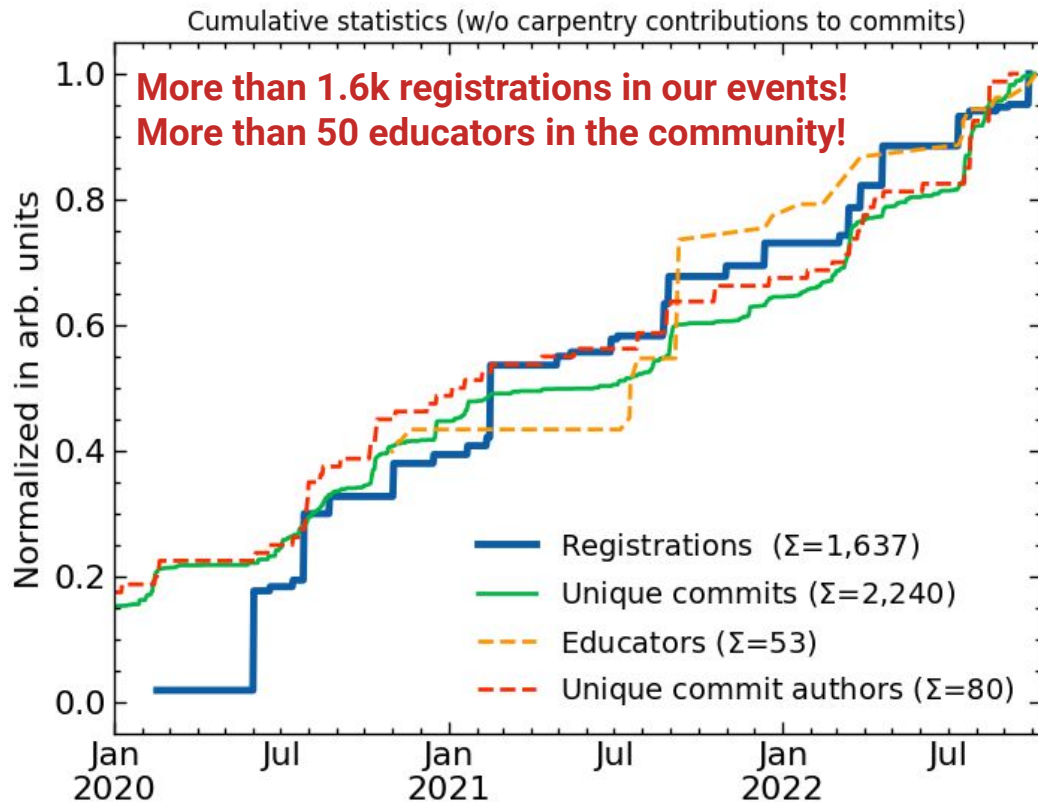


Consistent output and steady community growth





Recognition

Authors

Thanks goes to these wonderful people (emoji key) who contributed to the content of the lesson:

kiiret merged commit 698cb3d into gh-pages · 7 days ago

kiiret deleted the fix-typos branch 7 days ago

welcome bot commented 7 days ago

Congrats on merging your first pull request 🎉! We greatly appreciate it. You might be eligible to be added to the HSF Training Community page (see the instructions on the page for how to create a profile). If you already have created a profile previously, make sure you're also added to the current year. If this repository features a list of contributors at the bottom of the readme, you are also eligible to add yourself there.

Platforms

HSF Training Workshop Checklist

Let's streamline our organization and make sure we don't forget anything!

Note: there's also a [backdoor checklist](#).

Before the workshop

Setting up documents and more

- Create a new folder in our drive in the folder "20YYyour_workshops/YYYY_name_of_workshop"
- Copy this document there and call it "YYYY_name_checklist"
- Create an overview document "YYYY_name_planning" Use this for all the relevant planning info
- Create a document "YYYY_name_post-mortem" Collect everything that goes wrong in this document

Recruitment

- Arrange on buffer
- Arrange on waiting list

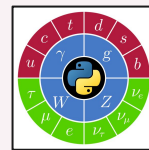
Orientation

Increasing our reach @hsftraining

Community pages

Our community

Monthly Hackathons



The big goal!

Training in software and computing is an essential ingredient for the success of any HEP experiment. As most experiments have similar basic prerequisites we want to join our efforts and create one introductory software training curriculum that serves HEP newcomers from all experiments. This curriculum is made up of independent training modules and should contain all software skills needed as they enter the field while installing best practices for writing sustainable software.

We have started this work [here](#) and have completed and tested several of our modules to great success.

Weekly meetings

- October 2022
- 24 Oct Training WG Planning Meeting
 - 17 Oct Training WG Planning Meeting
 - 10 Oct Training WG Planning Meeting
 - 03 Oct Training WG Planning Meeting
- September 2022
- 26 Sept Training WG Planning Meeting



Recently focused a lot on absolute prerequisites, teaching basic python, git, unix shell. **However:**

- **Only small window of opportunity** for effective training (need to fall within first ~2 weeks of initial HEP enrollment)
- Even basic ROOT/Scikit-HEP training is on different level
- Smaller community activation
- Unclear if we hit our core target group
- Intermediate trainings showed higher number of participants
- **All material is self-study ready with videos** → can set as prerequisite

Conclusions (preliminary):

- **Focus on intermediate target audience and HEP-specific tools**
 - Teach existing modules on containerization, analysis preservation, ML(+GPU)
 - Experiment again with asynchronous training + mentoring
- **Teach more scikit-HEP & IRIS-HEP packages**
 - Active community that is interested in growing its user base
 - Need separate workshops (teaching together with software basics is not optimal and reduces reach)
- Compile **new module wishlist** together with experiments
- Use of **fellowships** central to expanding training material and scaling further



“Training Fellow”

- **Project:** Organizational aspects; repository maintenance; new training material
- **Timeline:** Variable length, part-time possible
- **Requirement:** Preferably previous fellows if work on new training material
- **Supervision:** Training group + subject-matter expert
- **Start date:** **Soon?**

“Hybrid Fellow”

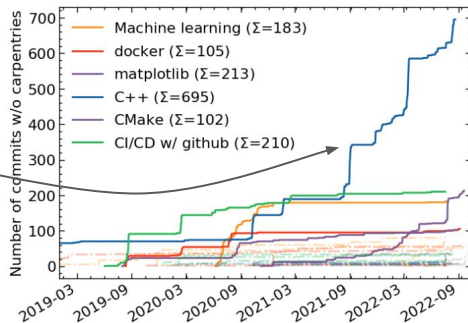
- **Project:** 80% dev (package used in production); 20% training + teaching
- **Timeline:** 3 month full time; 2 weeks after the initial month to be dedicated to the creation of material suitable for a workshop on X; will teach at least once
- **Supervision:** Training group + subject-matter expert
- **Start date:** Together with other fellowships

“Web Fellow”

- **Project:** Central-entry point project; anything web-technology
- **Timeline:** Short-term
- **Requirement:** Skilled, little technical supervision needed
- **Supervision:** Various
- **Start date:** Independent



- **Our objective:** Find blind spots and motivated contributors; bring together new teams
- **Previous meetings:** Good overview of different training approaches, but unclear actionable outcomes
- **Need new survey** (building on results of 2019):
 - Explicitly also targeting supervisors/experts: “To which workshop would you send how many students?” / “To which project would you contribute?”, etc.
 - Non-anonymous to follow up
 - Concrete training modules



Want to find topics that are

- In use by multiple experiments similarly
- Training neglected but desired by multiple experiments
- Clear target audience
- Motivated contributors available

Timeline:

- **Oct:** Send out survey
- **Nov:** Select most promising topics and search for existing material; reach out to interested experiments & people
- **Dec:** First hackathon on topic: Create repository and ToC; determine further schedule



Brainstorming



We've already collected > 5 pages of suggestions in the last weeks,
but there's always room for more

- Which **IRIS-HEP projects** could benefit from regular training activities?
- How can the training group be better **integrated with the remaining team**?
- What are the "**blind spots**" that could take off like the C++ training given some initial activation energy?
- Which projects are best for the "**hybrid**" fellows? Who wants "a part" of the **web fellow**?



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