A central entry point for training material

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Background

popular

eployment

Current Training Center Served us well, but becoming crowded

Basics

The UNIX Shell A guide through the basics of the file systems and the shell. Start learning now! Contribute!	Version controlling with git Track code changes, undo mistakes, collaborate. This module is a must. Start learning now! Contribute!	Programming with python Get started with an incredibly popu programming language. Start learning now! Contribute!
 Lists 25 m ~500 visite 	odules th ors/month	Matplotlib for HEP Make science prettier with beautifu plots! * Status: Beta testing Start learning now!
F Contribute!	✗ Contribute!	
Software Development an	d Deployment	
Version controlling with git	CI/CD (gitlab)	CI/CD (github)
Track code changes, undo mistakes, collaborate. This module is a must.	Continuous integration and deployment with gitlab.	Continuous integration and deployr with github actions.
Start learning now!	Start learning now!	Start learning now!
F Contribute!	F Contribute!	F Contribute!
Docker	Singularity	Unit testing
Introduction to the docker container image system.	Introduction to containerization with Singularity/Apptainer.	Unit testing in python.
Start learning now!	▲ Status: Early development	✤ Status: Beta testing
Watch the videos!	Start learning now!	Start learning now!
F Contribute!	F Contribute!	F Contribute!

"Central Entry Point" Various Filters \rightarrow Scales! Inspiration: learn.astropy.org

Filters	All	Trai	ning Cei	nter v2.0	
Types Tutorial Documentation	Sear				
Level Beginner Advanced		R			
Curriculum ALTAS HEP tools Machine Learning Tools					
Packages numpy pandas scipy					
Status Ready Beta In development	:				

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Background

- Pitched as Google Summer of Code project (proposal)
- Ultimately didn't get funded
- Had started selecting candidates & proposals (lots of interest, O(30) applicants)
- As part of this, got **several working prototypes** that were completed in the 24-48h qualification tasks
 - <u>https://github.com/Aniumbott/demo-training-center</u>
 - o [private] https://github.com/BimsaraBodaragama/gsoc-training-center-2023
 - <u>https://github.com/developingright/Training-Center-Task</u>
 - [private] https://github.com/emanuele-em/training-center
 - [private] https://github.com/Hetarth02/gsoc2023-cern-qualification-task
- Some of the contributors might still be interested to collaborate on this



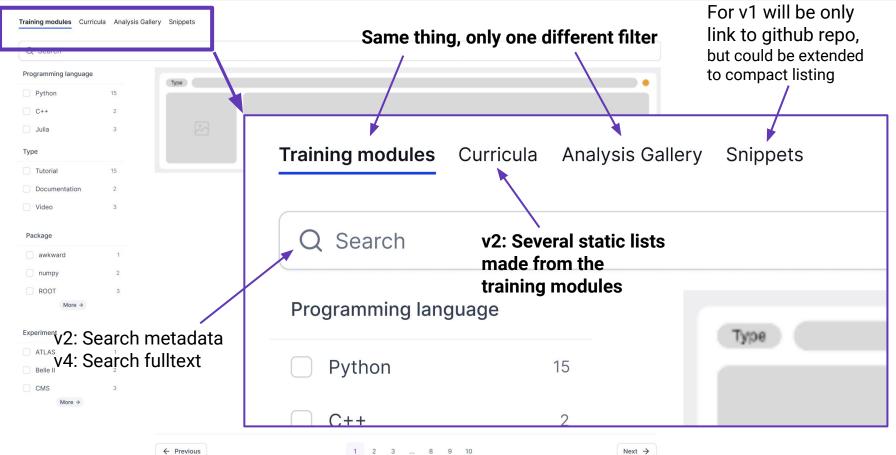
Renewed interest

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- The topic came up in the recent pyHEP.dev workshop (<u>discussion notes</u>) with two more "flavors":
 - An **"analysis gallery"** to give examples of how to **combine** the different tools of Scikit-HEP and **solve specific use cases**
 - This idea has been around for quite some time (see this old issue)
 - Loosely inspired by <u>the matplotlib gallery</u>
 - Similar perhaps to <u>ROOT tutorials</u>
 - This might be most closely related to original idea from learn.astropy.org/
 - A **"snippets archive":** A place to store and permalink small pieces of code and explanation



Can we combine these?





Next steps

Training center

Proposal: Fix scope and goals

Today

Fixed metadata: Reach agreement on metadata

Mock up: Can modify figma template

Starting point: Look through existing solutions/frameworks

Start implementation