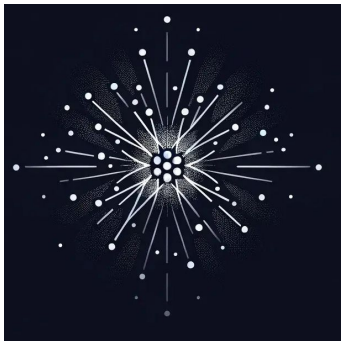
FAIR Universe



Fair Universe

Higgs Uncertainty Challenge

Codabench Tutorial

BERKELEY LAB

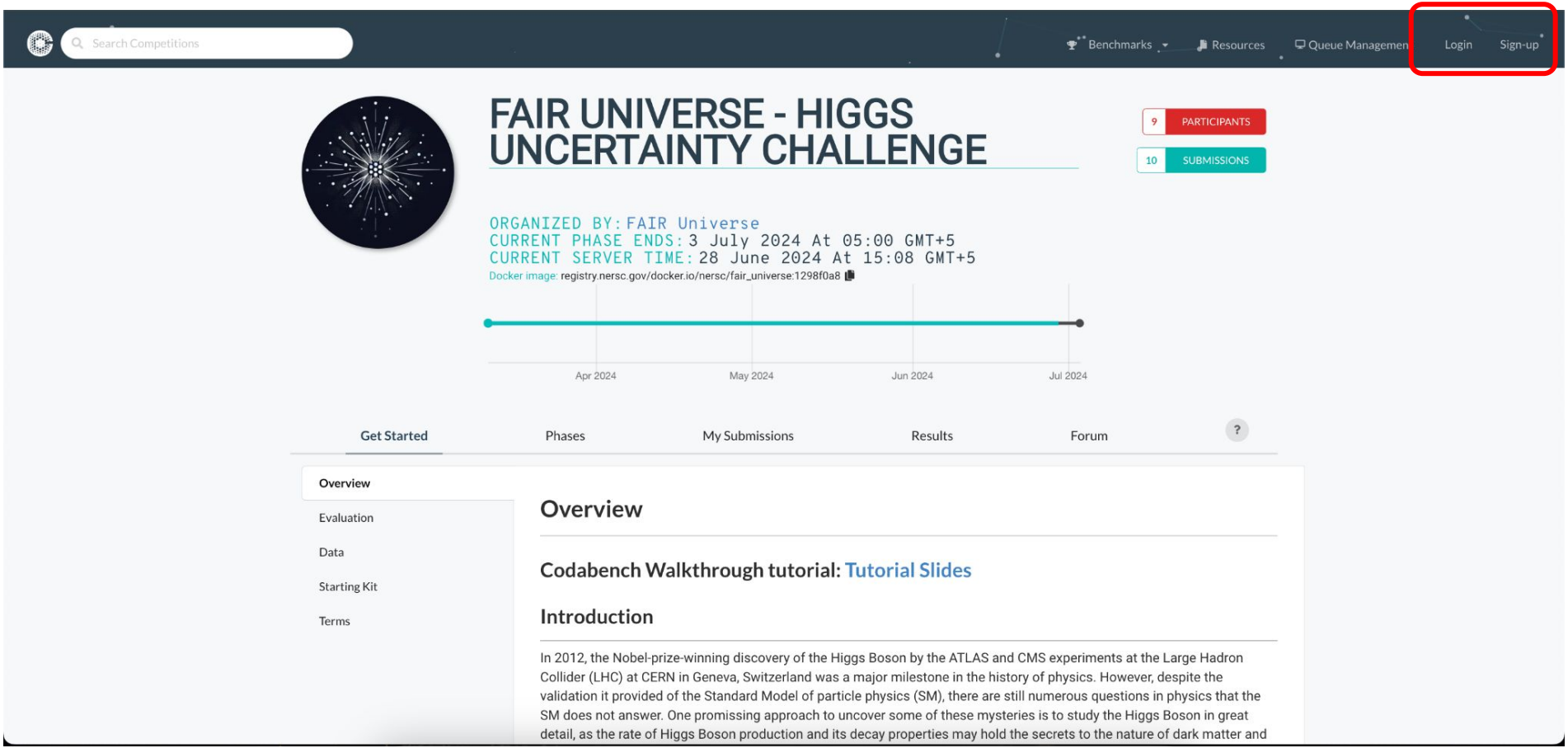
CHA LEARN

université PARIS-SACLAY

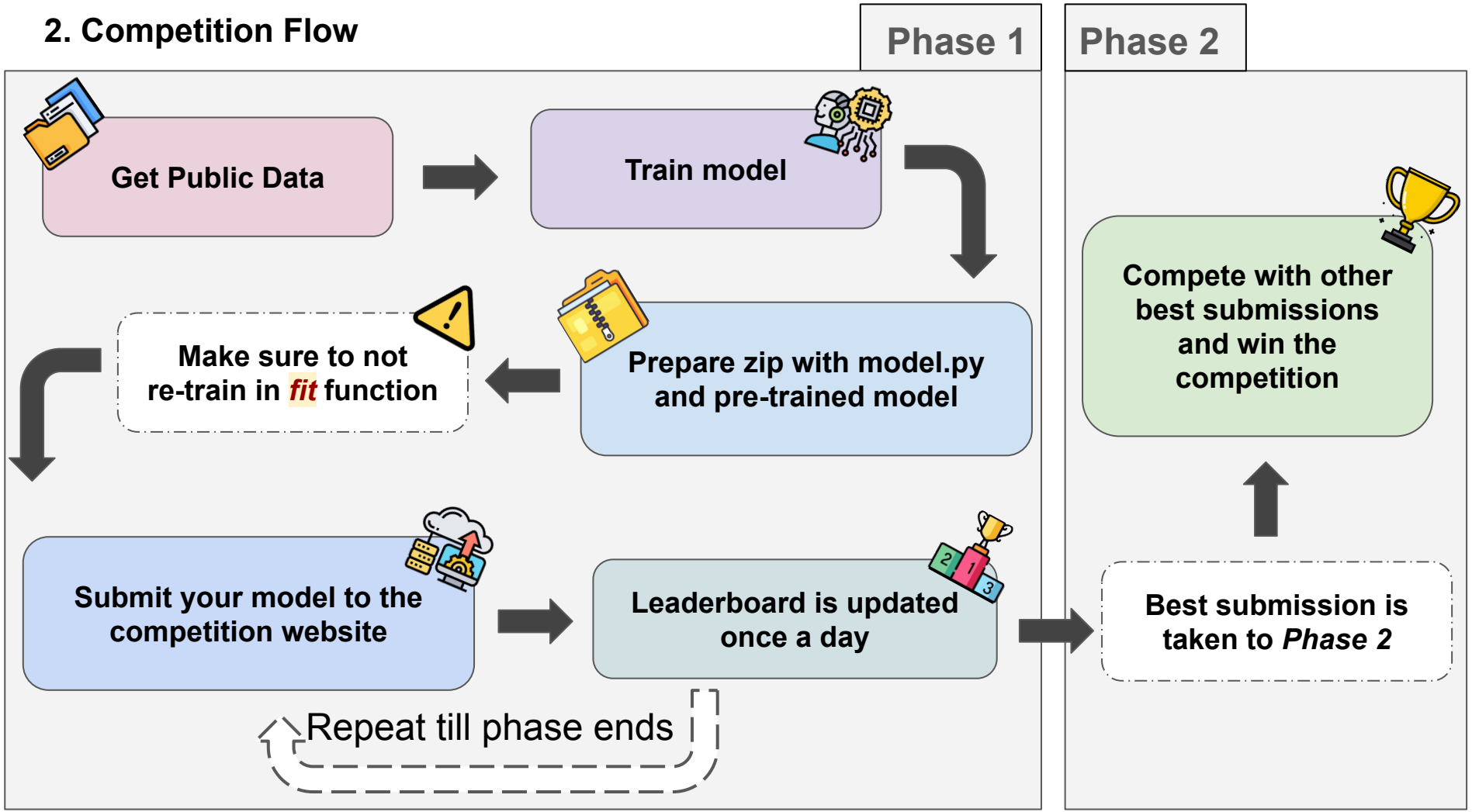
UNIVERSITY of WASHINGTON

UCI University of California, Irvine

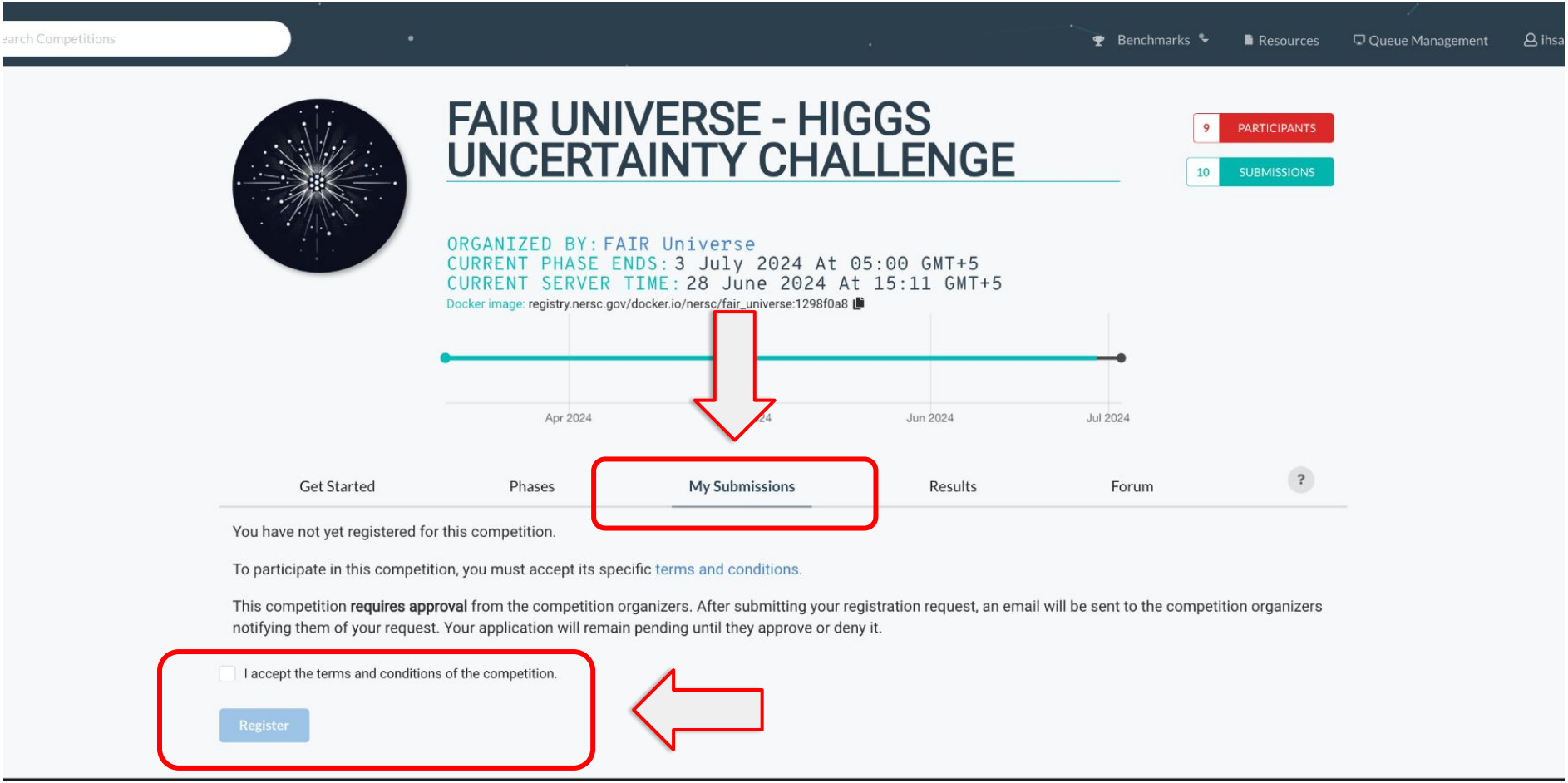
1. Login or Create Account on Codabench https://www.codabench.org/



2. Competition Flow

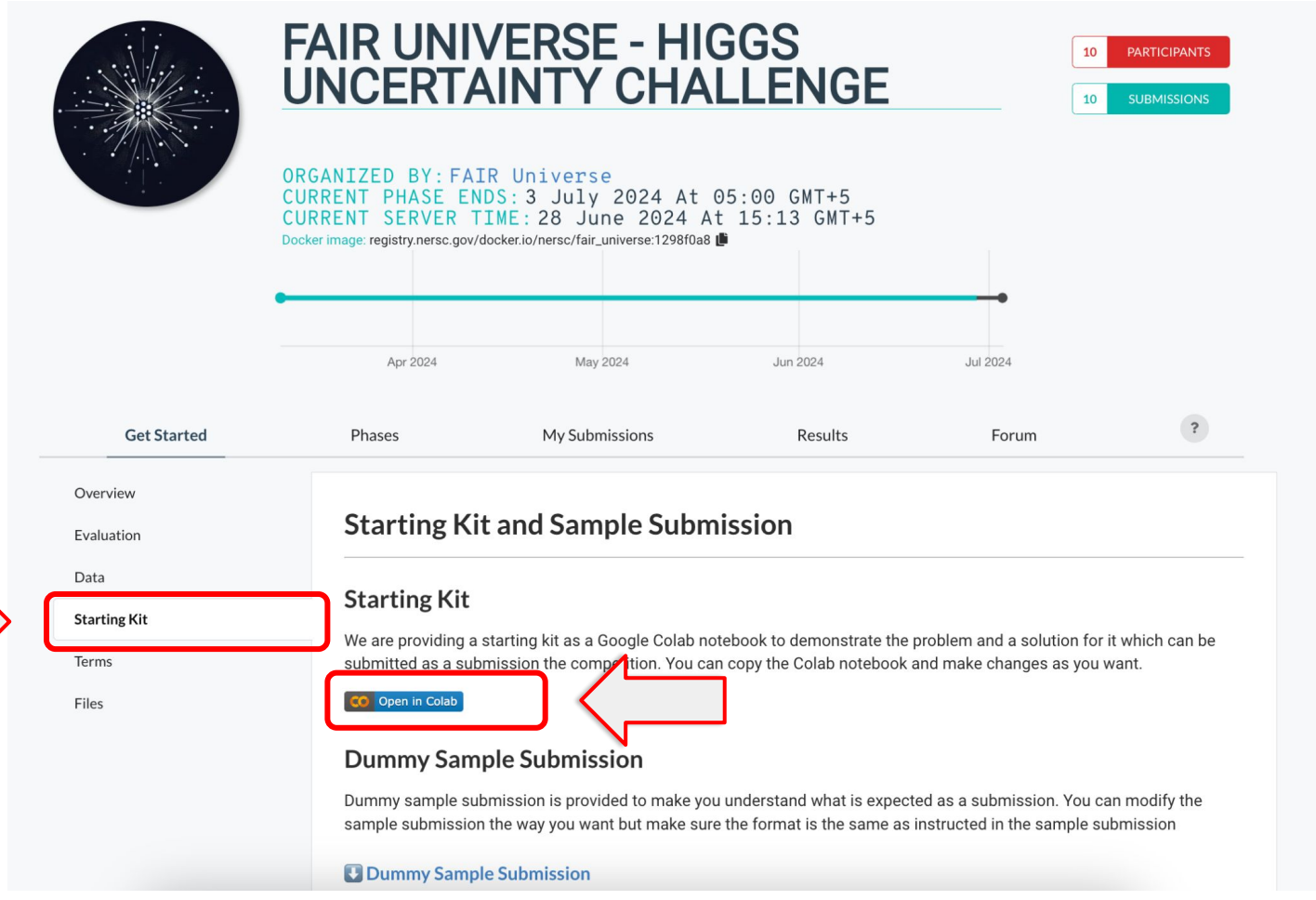


3. Register in the Competition

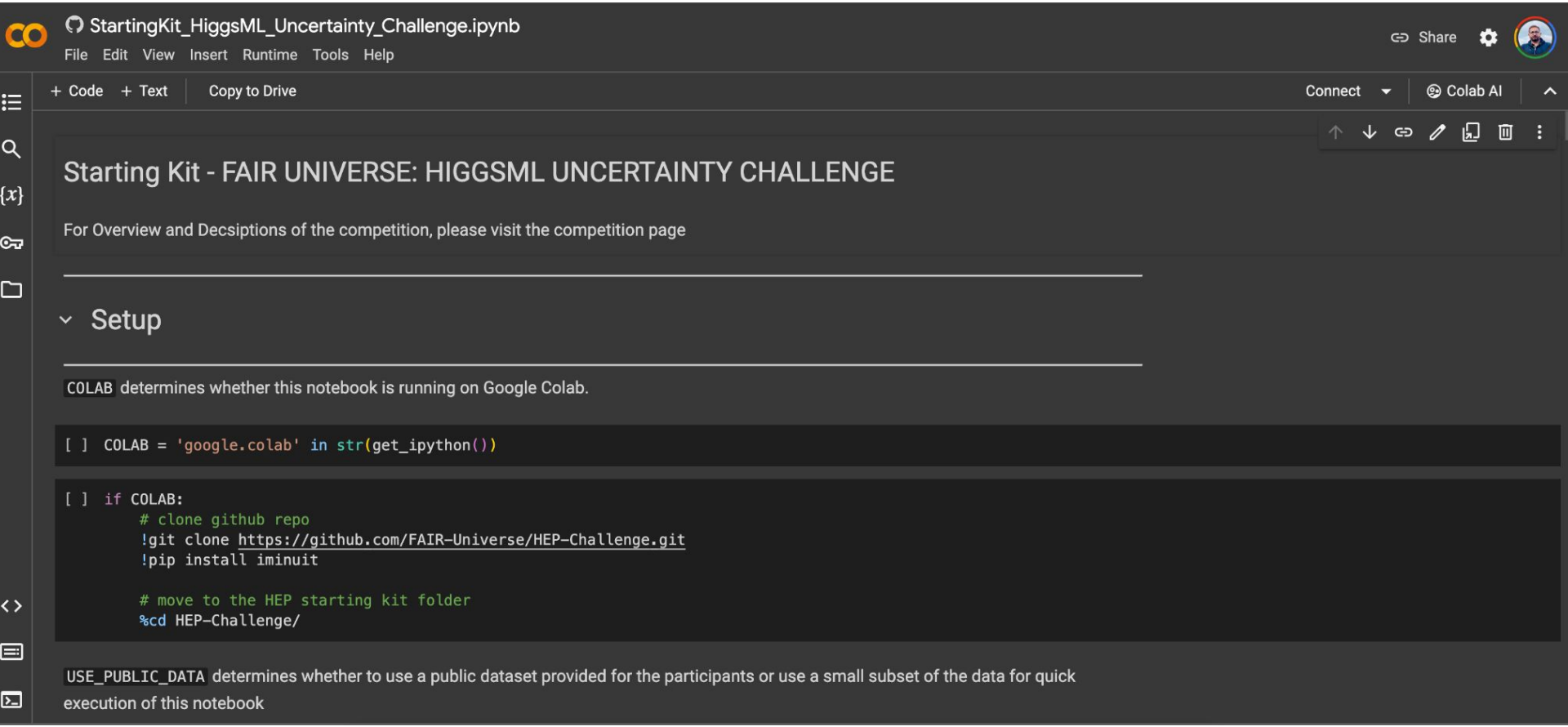


4. Get Public Data

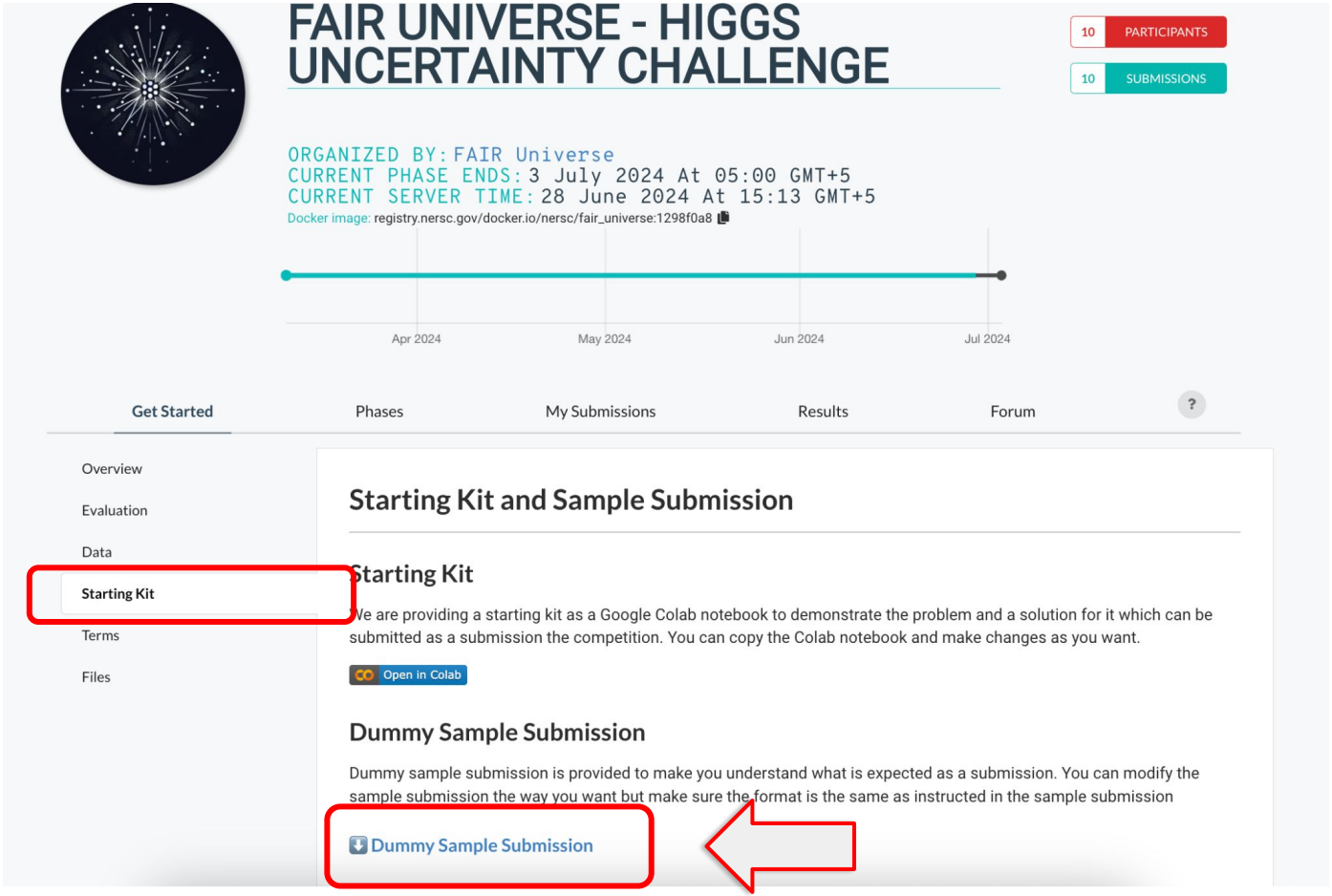
5. Check out the starting kit



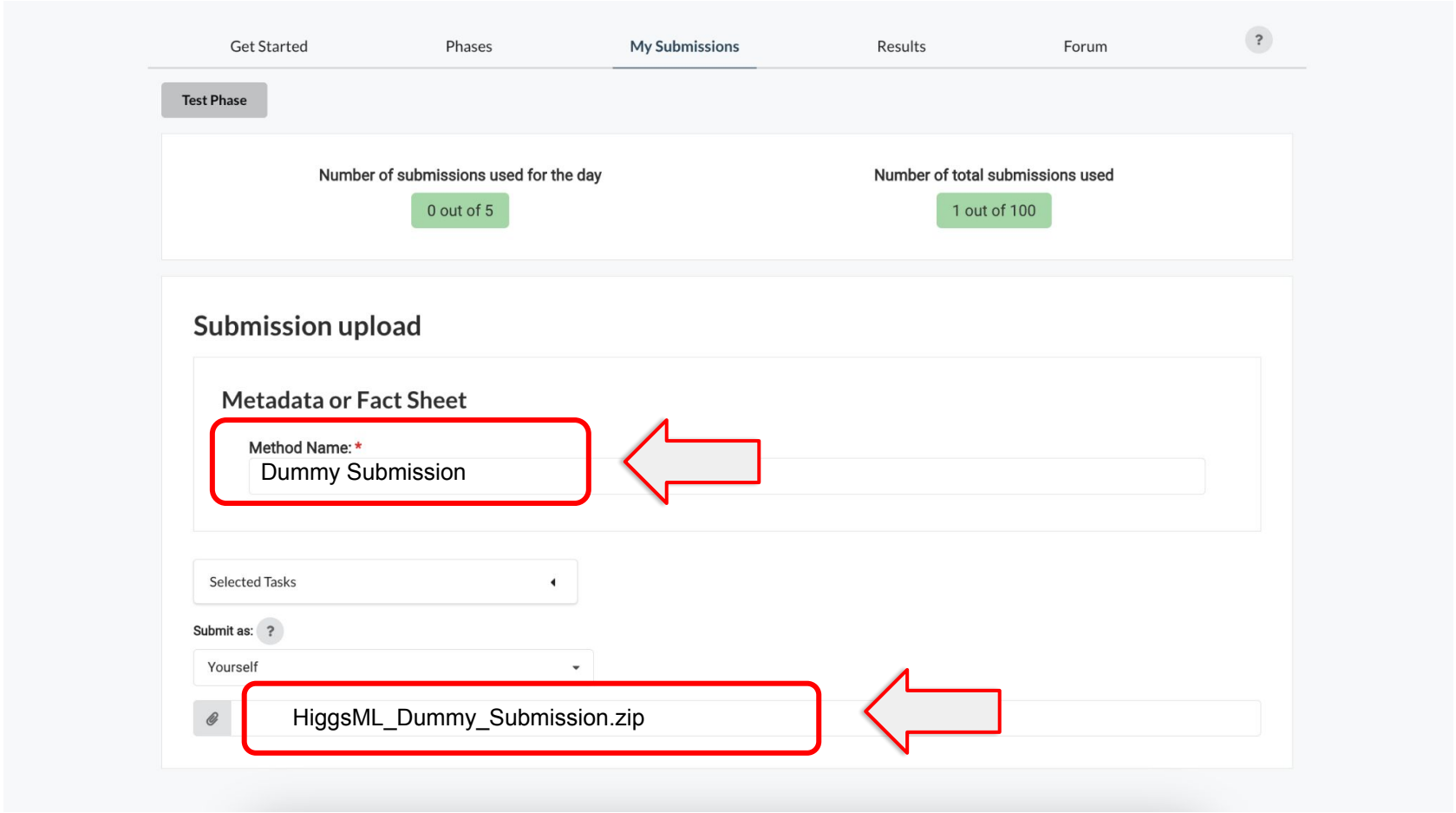
6. Starting kit as a Google Colab Notebook



7. Download Dummy Submission

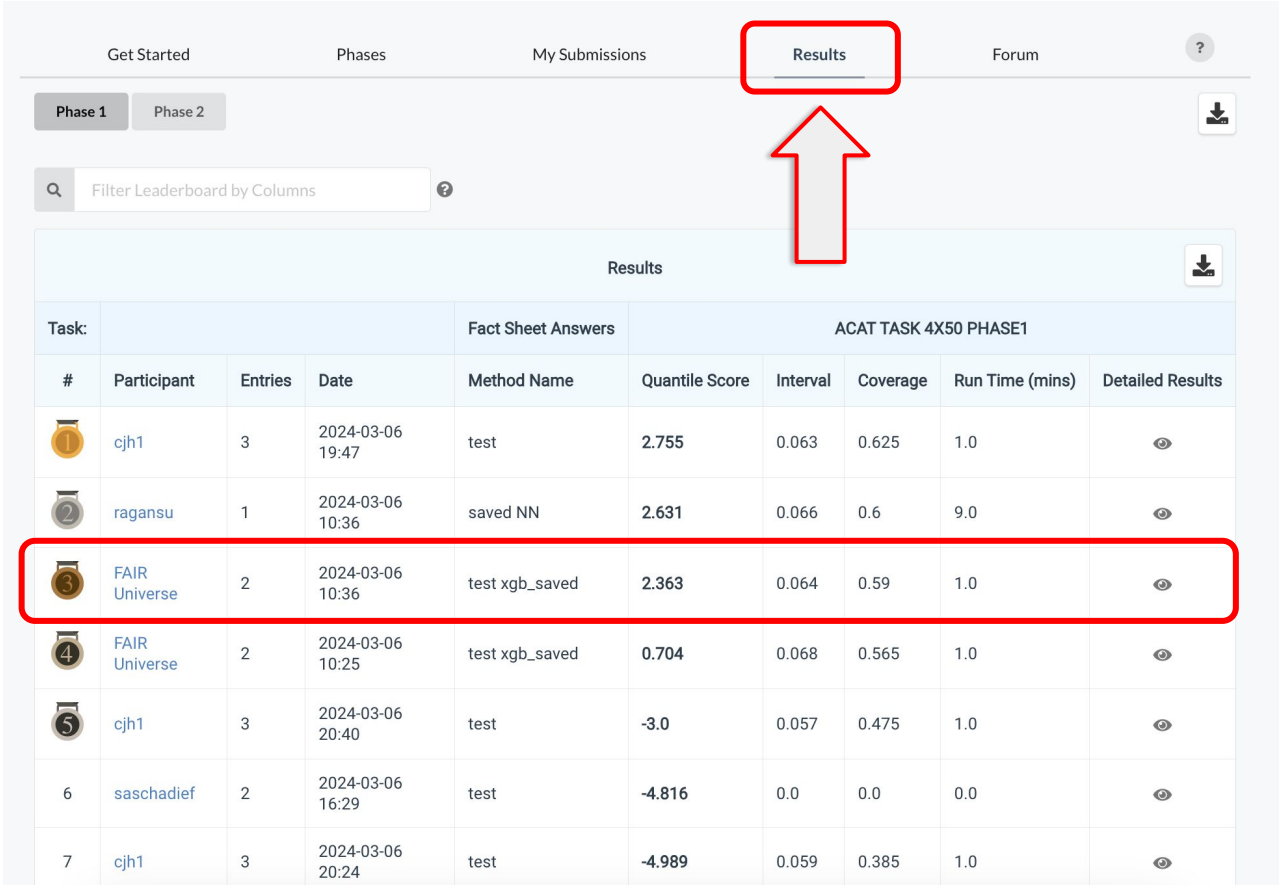


8. Submit Dummy Submission



9. Check results in the leaderboard

Updated approx once per day for full competition



Get Started | Phases | My Submissions | Results | Forum

Phase 1 | Phase 2

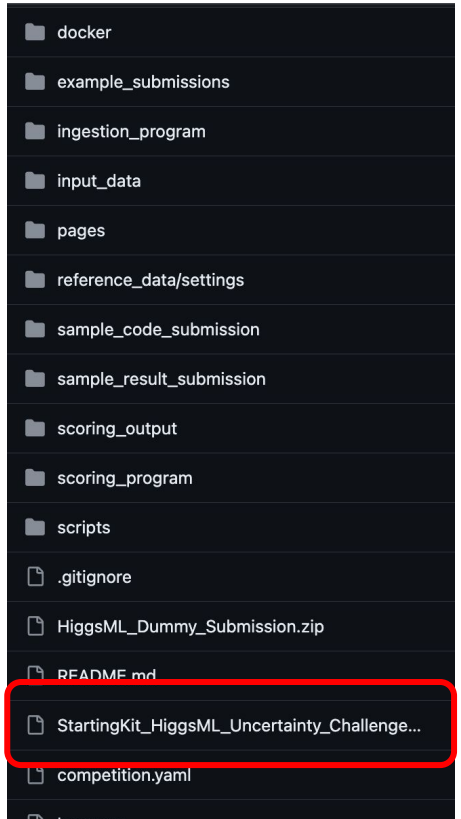
Filter Leaderboard by Columns

Results

Task:				Fact Sheet Answers	ACAT TASK 4X50 PHASE1				
#	Participant	Entries	Date	Method Name	Quantile Score	Interval	Coverage	Run Time (mins)	Detailed Results
1	cjh1	3	2024-03-06 19:47	test	**2.755**	0.063	0.625	1.0	
2	ragansu	1	2024-03-06 10:36	saved NN	**2.631**	0.066	0.6	9.0	
3	FAIR Universe	2	2024-03-06 10:36	test xgb_saved	**2.363**	0.064	0.59	1.0	
4	FAIR Universe	2	2024-03-06 10:25	test xgb_saved	**0.704**	0.068	0.565	1.0	
5	cjh1	3	2024-03-06 20:40	test	**-3.0**	0.057	0.475	1.0	
6	saschadief	2	2024-03-06 16:29	test	**-4.816**	0.0	0.0	0.0	
7	cjh1	3	2024-03-06 20:24	test	**-4.989**	0.059	0.385	1.0	

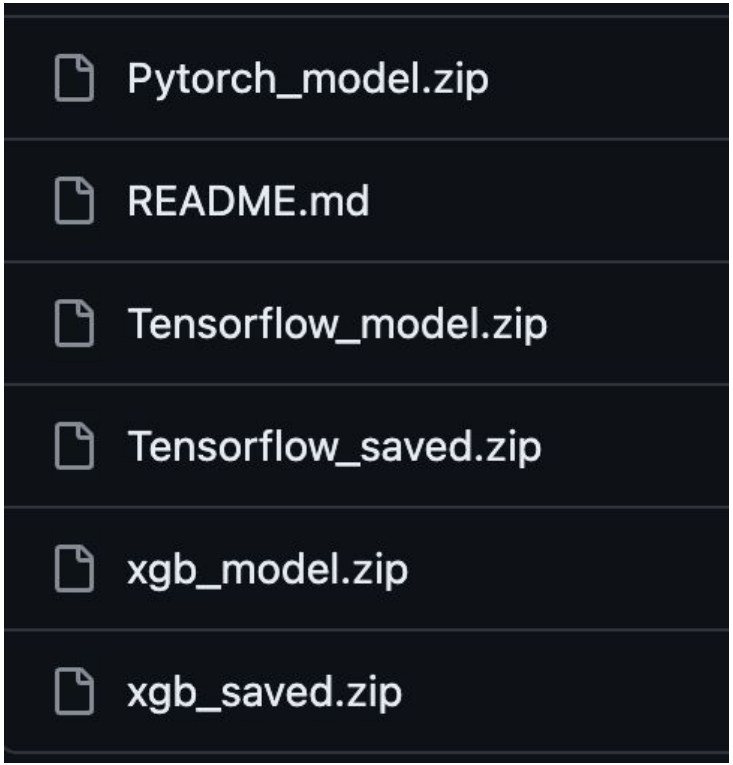
10. Access Starting Kit Notebook on Github

https://github.com/FAIR-Universe/HEP-Challenge



11. Checkout example submissions

https://github.com/FAIR-Universe/HEP-Challenge/tree/master/example_submissions



12. Submit Pre-Trained Models

- Use the code structure from Dummy Sample Submission
- Use Public data to train your models
- Submit your submissions with pre-trained model file included in the zip

13. Get in touch

Join ***#higgsml-uncertainty-challenge-spring-24*** channel in the FAIR Universe slack workspace
https://join.slack.com/t/fairuniverse/shared_invite/zt-2dt9ovrp1-jvi0DnCK9jzL3VGrdwYNMA

https://fair-universe.lbl.gov/

Competition Flow