

# ROB: Reproducible Open Benchmarks for Data Analysis Platform

*Friday, January 17, 2020 11:30 AM (20 minutes)*

In this talk, we present exploratory work to enable benchmark tests for physics challenges, such as “The Machine Learning Landscape of Top Taggers” comparison or the LHC Olympics 2020. We introduce the “Reproducible Open Benchmarks for Data Analysis Platform” (ROB) for this task and we aim to show a demo where ROB is implemented on a sample case. Given a benchmark workflow, users would provide code with their algorithm (e.g. docker containers) and trained parameters. Then the back-end would process the workflow (the algorithms could also be part of a downstream analysis task) and evaluate the metrics on a test dataset. Finally, plots and tables would be updated.

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