

OCN 479-001

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Today



Prep for tour of Ocean Instrumentation Lab



Lab: Learn git vs. GitHub and their combined capabilities



Homework: Prepare to give a short (3-5 mins) presentation next week on your data

Presentation guidelines

- ▶ Team up with one other person (last week's lab teammate) and pick your favorite dataset on <https://cormp.org/>. Give a short (3-5 minutes) presentation in class next week on the following:
 - ▶ What the parameter(s) is(are)
 - ▶ What they look like (e.g., time-series plot (screenshot))
 - ▶ How they were measured (look up sensors that measure your parameter)
 - ▶ What studies it would likely be used for
 - ▶ Important technical specifications (look up on website and/or product datasheets)
 - ▶ Why you picked it
- ▶ Your presentation should be no more than two or three slides which you will submit on Canvas (via the Assignment post)
- ▶ You will also deliver presentation in class next week or following week, time-dependent

What's the point?

- ▶ Familiarize yourself with cutting-edge coastal technologies and datasets
- ▶ Connect technology with applications
- ▶ Begin conversations about key metrics (e.g., accuracy, precision, stability, response time, endurance/lifetime, servicing intervals, technical needs)

GitHub

Introduced briefly in OCN 350; to be used extensively in OCN 479



Reinforces “open science and engineering” concepts



Enables collaborative coding with a little more code stability than something like google docs. Collaborate with...

Teammates

Rest of this class

Future classes

People anywhere/anywhen in the world



Including links to GitHub repos on resumes/CVs will be very attractive to employers/graduate schools!

GitHub exercise

- ▶ Read this page: <https://github.com/SUPScientist/Smart-Coasts/tree/main/Class-02-OILab-Tour>
- ▶ After reading everything, complete at least the required and ideally the optional steps