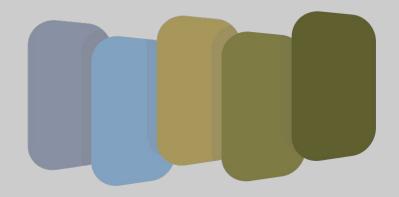
# LEVEL UP! Your Scientific Coding

#### Level 1: Version Control with git and GitHub



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### PURPOSE

What's our goal here?

It's worth it for you, a busy scientist, to take the time to learn, and use, version control.

You'll save time and energy in the long run.

#### AGENDA

Here's what we're showing you in the next 30 minutes.

- Why?
  - $\circ$  grad student
  - postdoc
  - researcher
  - $\circ$  professor
- Where?
  - our favorite online resources
- How?
  - a short demo of using GitHub

#### Why should I use version control if I'm a grad student?

- Organize and backup your thesis
- Save code used for homework or for generating figures
- Job skill

#### Why should I use version control if I'm a postdoc?

- Organize and backup journal articles
- Productivity tool
- Showcase work for jobs

#### Why should I use version control if I'm a research scientist?

- Collaboration on projects and papers
- Help others access your work
- Reporting to funding agencies

#### Why should I use version control if I'm a professor?

- Track team projects
- Collaboration tool for students in class
- Time machine

## WHERE?

Here are some of our favorite resources for learning how to use git and GitHub effectively.

- Software Carpentry swcarpentry.github.io/git-novice
- GitHub Help help.github.com/github/using-git
- git documentation git-scm.com/doc
- Stack Overflow <u>stackoverflow.com</u>

### HOW?

A live demonstration of using git and GitHub.

github.com/csdms/level-up

### THANK YOU!

Thanks for watching this webinar. We hope you enjoyed it!

- You'll get a reminder when webinar recording is posted
- Example repository github.com/csdms/level-up
- Next webinar: unit testing!

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