

# Introduction to GitHub Workshop Outline

Tuesday March 11<sup>th</sup> 2025, 3-5 PM, OE-112 MMC

## Learning Objectives

- Develop a working knowledge of Git as version control software
- Be able to push, pull, and clone GitHub repositories
- Establish a file structure and workflow that optimizes open data science
- Handle branch errors and learn how to troubleshoot when needed
- Improve lab collaboration and data management skills
- Contribute to FCE organization level data repositories

## Pre-Workshop Requirements

Prior to the workshop please...

- 1) Create a GitHub account **HIGHLY RECOMMEND USING A PERSONAL, NON-ACADEMIC EMAIL**

<https://github.com/>

- 2) Download GitHub Desktop App

<https://docs.github.com/en/desktop/installing-and-authenticating-to-github-desktop/installing-github-desktop>

- 3) Bring laptop, chargers, and a project folder containing data and scripts to the workshop

## Workshop Timeline:

3:00 – 3:15: Prep computers and make sure that everyone has completed the pre-workshop material

3:15 – 3:45 PowerPoint Presentation: What is GitHub and Why Use it?

3:45-4:15 Creating a data repository, pushing, pulling, and cloning

4:15-4:30 Common troubleshooting issues

4:30-5:00 Collaborative goals, additional resources, and questions