

# Introduction to Version Control with Git

Learning to use Git is an essential skill for anyone working with programming languages. It allows you to track changes to your project over time, collaborate with others, and maintain a clear and organized project structure. This can save you time, improve research efficiency, and simplify code publication through platforms like GitHub.

## Workshop Description

The main goal of this crash course is to equip you with the basic skills needed to start using Git for your research projects, both individually and collaboratively with colleagues. You will learn a complete Git workflow, including remote repositories on GitHub, through both theory and practice.

In two afternoon sessions (2 × 2 hours), we will cover the following topics:

- Basic Git concepts and workflow (initializing a repository, committing changes, pushing to a remote)
- Collaboration workflow with Git and GitHub (branching, merging, pull requests)

You will learn both theory and practice through hands-on exercises.

One week after the workshop, we will meet again for a consultation hour to discuss any questions that arise during your individual work with Git.

## Who Is This Workshop For?

The target audience for this workshop is beginners without prior experience with Git and GitHub. However, it may also benefit those who already use Git for personal projects but want to learn more about the underlying concepts and collaboration techniques involving Git and GitHub.

## Who Is the Instructor?

I am a scientific programmer in the theoretical ecology group at Freie Universität. I enjoy sharing knowledge about tools and workflows that make research more reproducible, robust, and enjoyable.

If you have any questions regarding the course, please don't hesitate to contact me at [selina.baldauf@fu-berlin.de](mailto:selina.baldauf@fu-berlin.de).