

Git and Github: a primer

Alfredo Gimenez Zapiola



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What is Git?

- ❏ Git is a Version Control System (VCS) designed to make it easier to have multiple versions of a code base, sometimes across multiple developers or teams
- ❏ It allows you to see changes you make to your code and easily revert them
- ❏ It is not github!

What is Github then?

- ❑ Github.com is a website that hosts git repositories on a remote server
- ❑ Hosting repositories on Github facilitates the sharing of codebases among teams by providing a GUI to easily fork or clone repos to a local machine
- ❑ By pushing your repositories to Github, you will pretty much automatically create your own developer portfolio as well!

Confirm that you have git

- ❖ Open your terminal and run “git”
- ❖ If you see a “command not recognized” error, you probably have not installed git yet
- ❖ Download it, according to your OS (Linux, Windows, MacOS), [here](#).
- ❖ Good reference (mostly for R users!) can be found [here](#)
- ❖ Plenty of other free resources online

What do we need to know for the course?

Essentially nothing: meaning that you can simply treat the repository we will be using for the labs as a normal folder, and nothing about git will be asked during the exam. Yet:

- ❑ Using github will potentially help you during the NPS projects
- ❑ Most importantly, it will become fundamental if you will end up working in a data science/ programming related industry!

In practice

- ❖ Repository associated with the lab notebooks:
- ❖ Run the following commands in your terminal (in a dedicated path)
 - *_statistics2425.git*
to clone it in your local folder
 - to keep it updated.
- ❖ That's it!
- ❖ More to know if you want to be a proactive user (e.g., *git commit*, *git push* etc..), check this guide