GitHub

A short introduction

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▶ platform for version control and collaboration

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- ▶ it tracks changes made to e.g. R code

Why should you use it?

► simple tool to share your data, ideas, work with colleagues, friends, etc.

How to use it?

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How to use it?

► can also be used to backup and document your work

- ▶ directly on https://github.com/
- with a graphical user interface (GUI) on your computer e.g. https://www.sourcetreeapp.com/

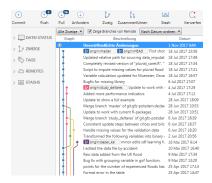


Figure 1: Example of source tree

Some Vocabulary

Repository

What is GitHub?

► This is more a less a folder which is (version) controlled by GitHub

Clone

get a remote repository and your local machine (computer)

Commit

► Commit changes made to a file to the repository

Some Vocabulary

Push

What is GitHub?

► Local commits are getting uploaded to the remote repository

Pull

► Remote commits are getting downloaded loaded to your local machine (computer)

Hands on

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How to use it?

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- clone the remote repository https://github.com/tsieg/MGEW23 WiSe-2017-18.git to your computer
- create a Rmarkdown file
- push this .md file to the repository
- ▶ make changes to your .md file and push the changes on the remote repository