A quick tour of Git and Github

(for researchers)

Serena Defina

Overview of the next 10-15 min

- What is Git and what is it for?
- GitHub: a quick tour of the cumulative ELS score repository
- The big 5 (basic commands)
- Mini demo

Disclaimer

- I am a baby!

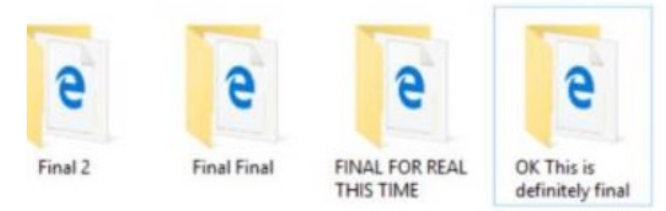
Eloy Geenjaar

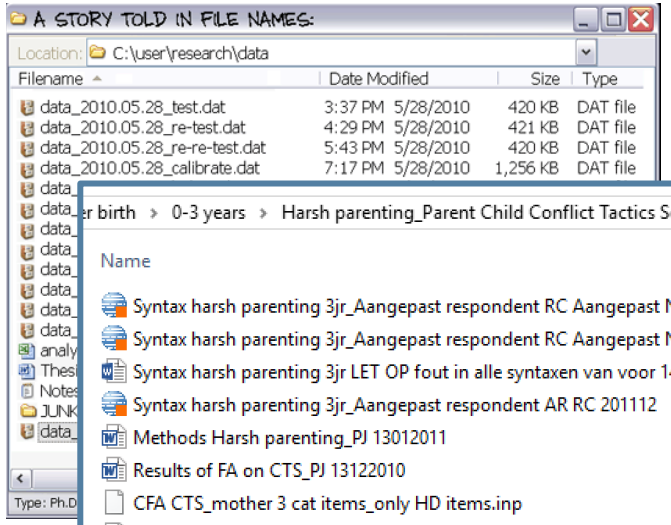
Introduction to Github

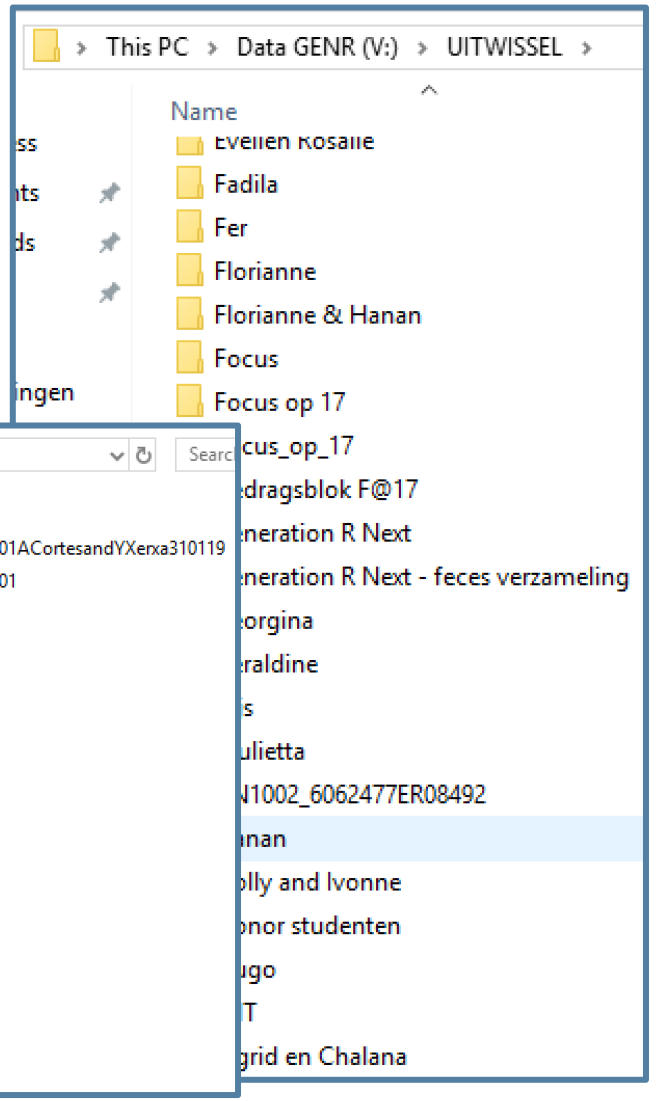
February 12th, 15.00-16.00h CET

Read more

A world without *version control*...

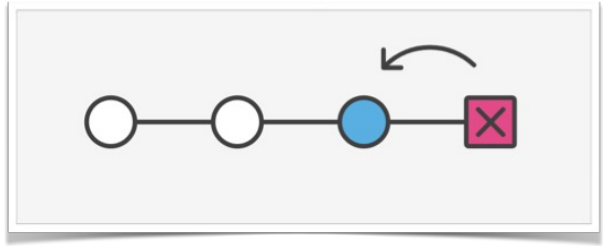






What is Git?

Git is a *version control* software: it *tracks* and *merges* changes in your *files*.

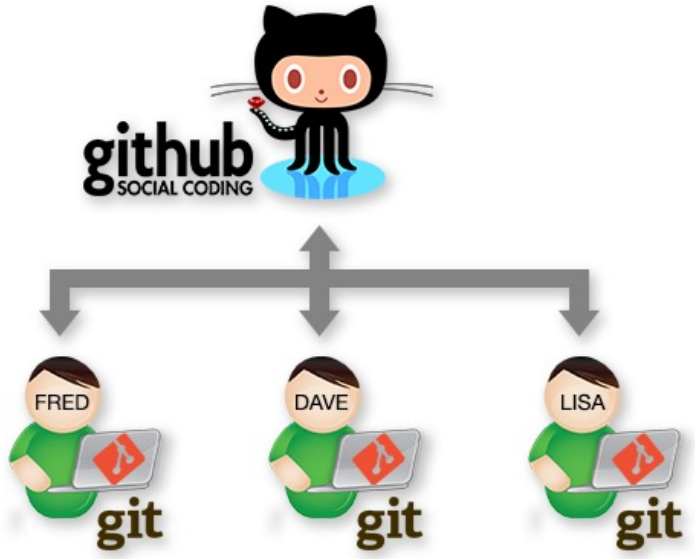


What is it for?

Primarily (?) software development (code), but… *not only*:

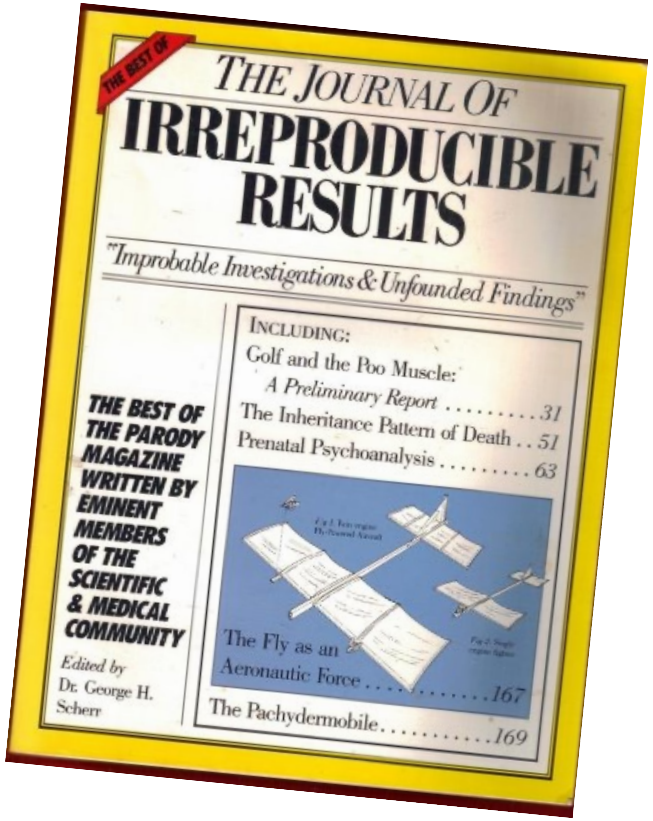
- Dissertation: https://github.com/blahah/phd
- Trip Planning: https://github.com/stephwright/CampingWeekend
- CV: https://github.com/smythp/cv
- To Do List: https://github.com/zee-moz/zannahplan

What is GitHub then?



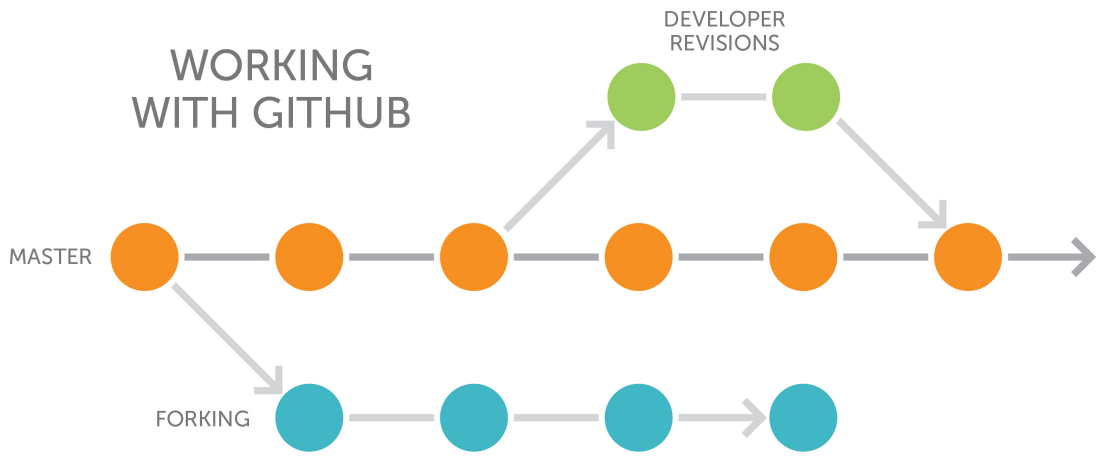
Why bother with all of this?

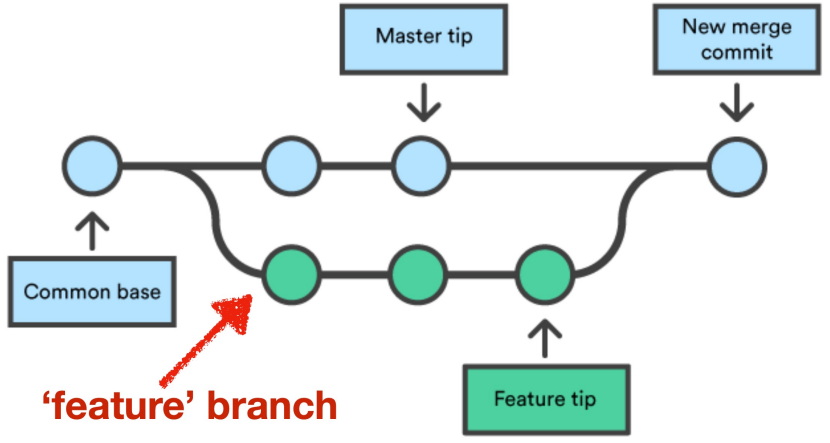
- ✓ Open and reproducible science / code / research
- ✓ Easy collaborations
- ✓ Sanity



GitHub basic lingo

- Repository
- README
- Fork & clone
- Master
- Branch
- Collaborator / Contributor
- Issues





The big five

1. `git clone`
2. `git status`
3. `git add`
4. `git commit -m “ ”`
5. `git push`

Or… clicky clacky …

Desktop

Summing up

Takes a bit of practice to learn Git's workflow …

… buuut you will get:

- ✓ Automated backups
- ✓ Easy sharing of code with collaborators
- ✓ An open science badge of honour

- ✓ You can roll back if you mess up
- ✓ Looks good on your resume
- ✓ Thank your past self in 4 years

*And you don't *have* to learn command line tools.