

Version Control 101

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- Why bother?
- How does it work?
- A simple scenario
- Got some crazy ideas?
- Getting started

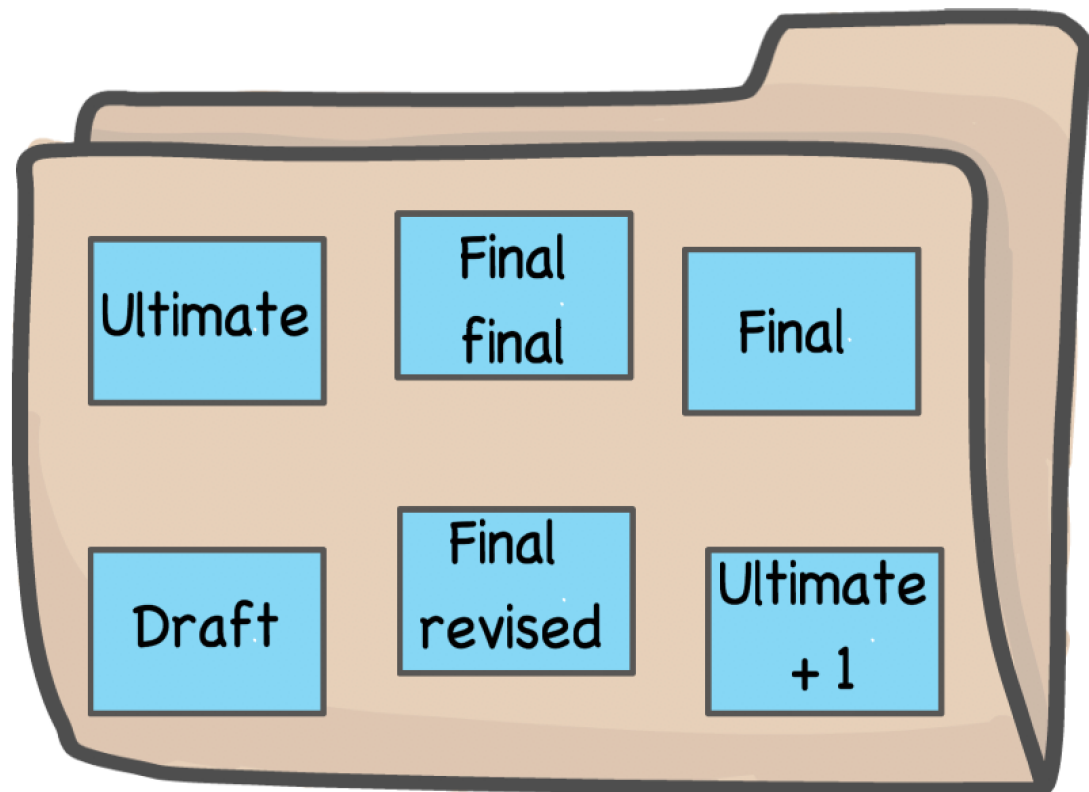
Worked Example: How to use version control with RStudio and GitHub

An Inconvenient Truth: Documents Evolve!

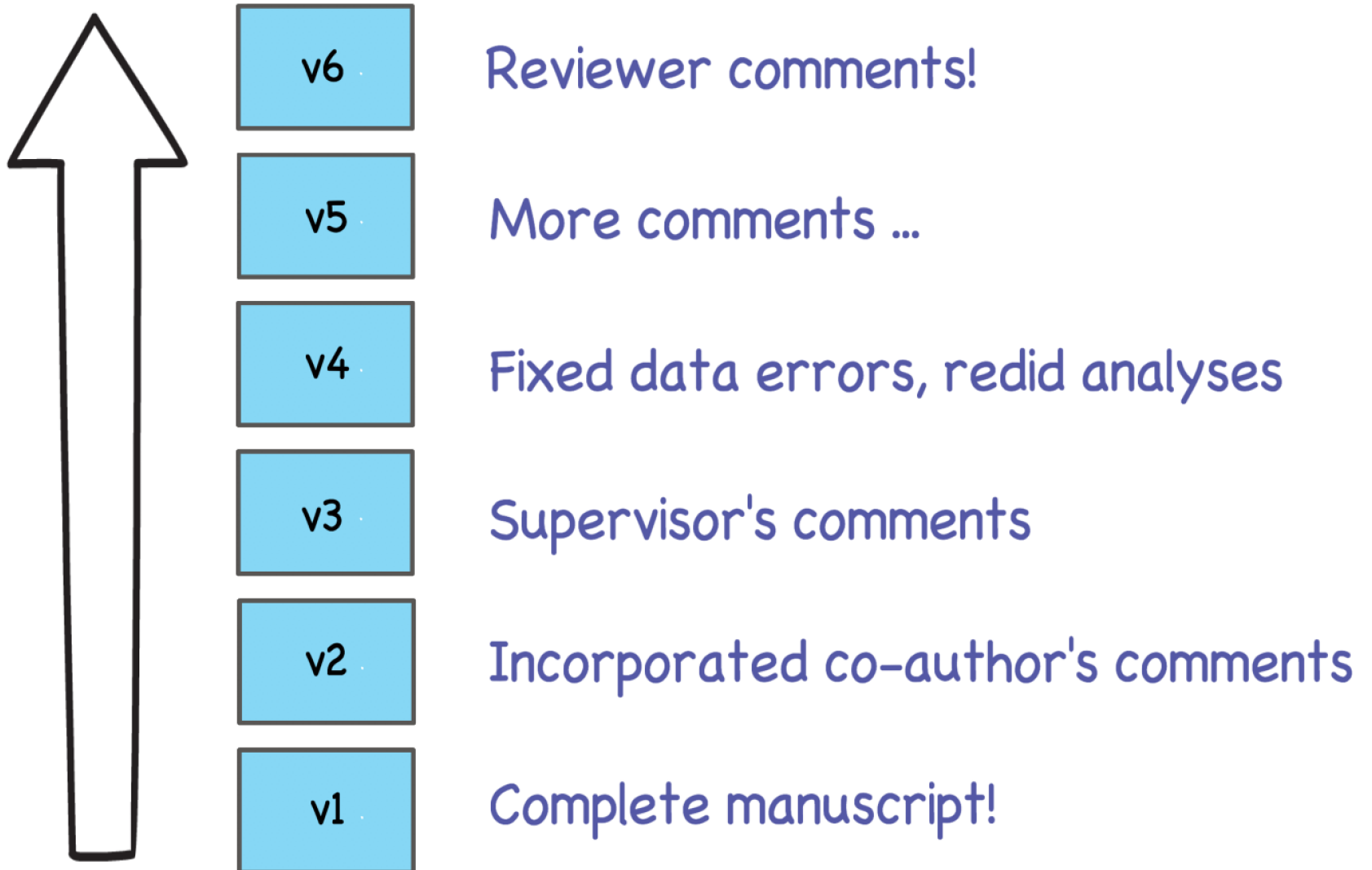
Applies to:

- R scripts
- Data sets
- Manuscripts

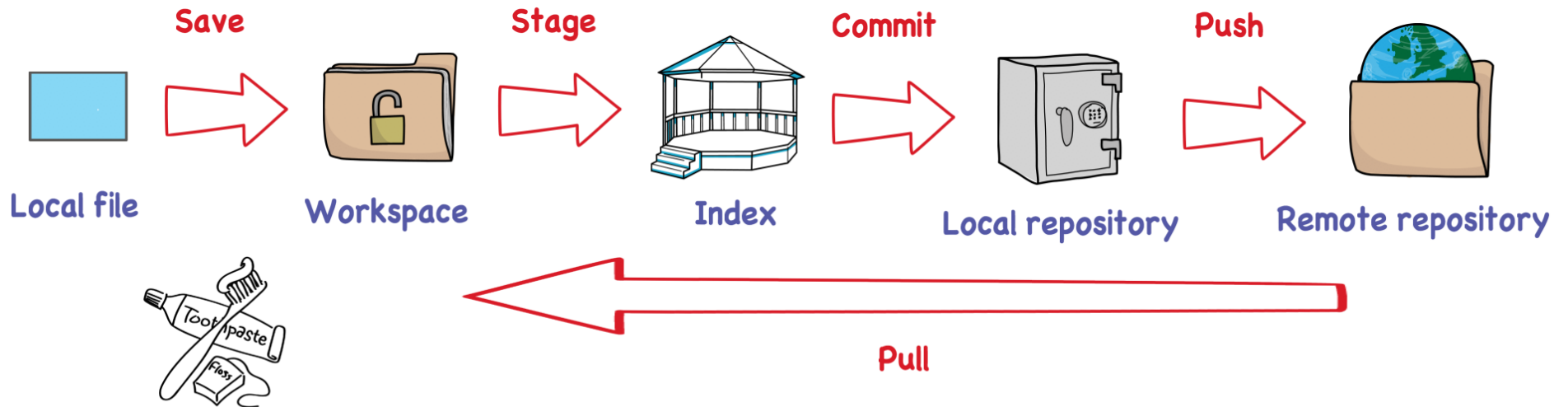
Latest version?
That idea I had...
Update data?



Version History



How Does It Work?



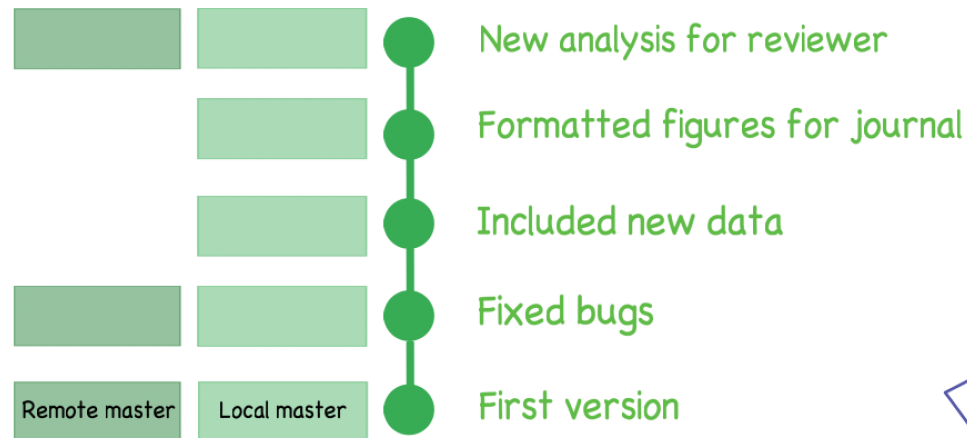
Simple Scenario : Back-Up

Project Copies

Local:
- master

Remote:
- master

Project History



Changes to Project

Unstaged changes:

- ☐ File 1
- ☐ File 2



Staged changes:

- ☒ File 1
- ☒ File 2



Commit message:
"Fixed bugs"



Got Some Crazy Ideas?

Repos and Branches

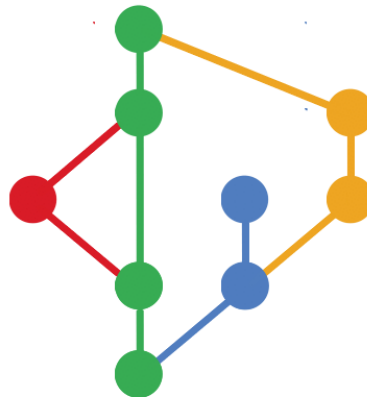
Local:

- master
- my idea
- a better idea
- a totally different idea

Remote:

- master
- my idea
- a better idea

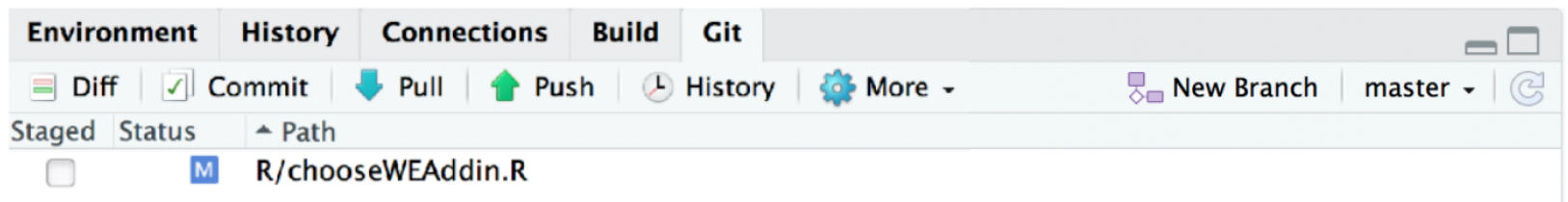
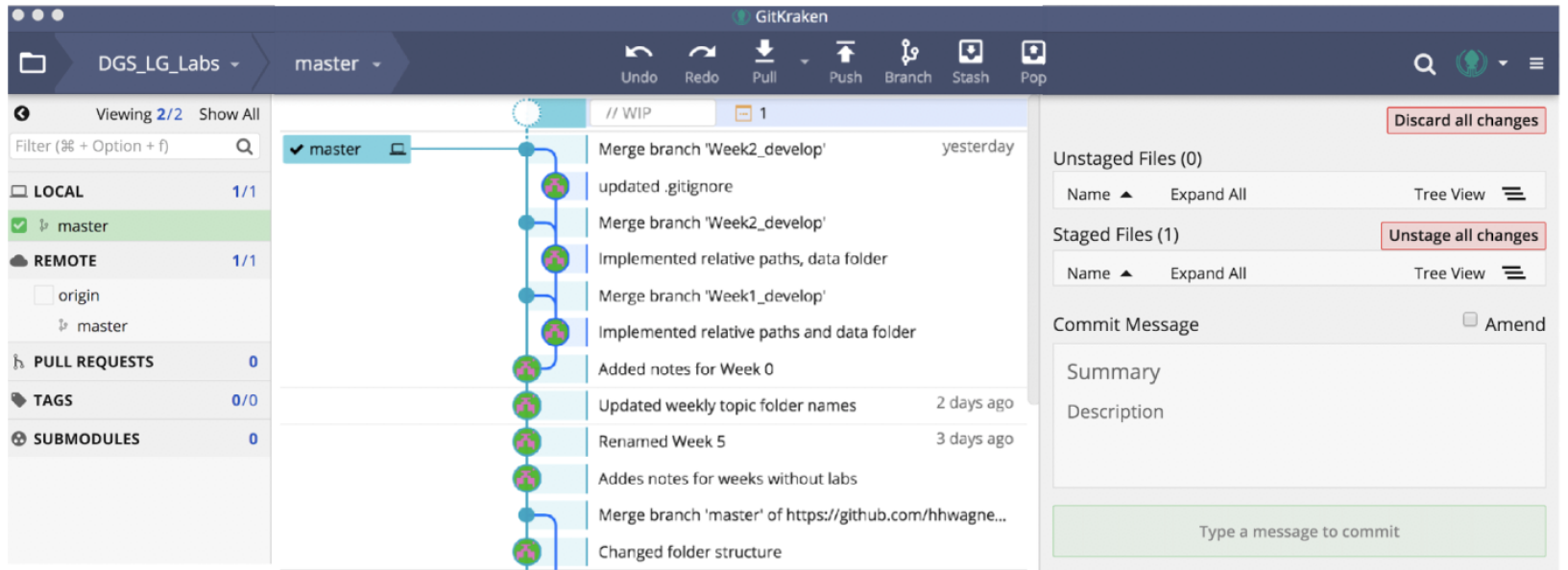
Commit Graph



Merge Conflict?

Difference viewer:

- ☒ A: "I use GitHub !"
- ☐ B: "I don't use GitHub !"



Getting Started

