



# Sharing and Collaborating using GitHub



Week 7  
Data Science Workshop for  
NGA LTER REU Students



# Review of Last Week

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- git status : how do files differ from the repository
- git add : add edits to the staging area
- git commit : commit edits to the repository
- git diff : to see changes
- git log : see list of commits
- git checkout : clobber local changes by checking out a file from the repository

<http://swcarpentry.github.io/git-novice/index.html>

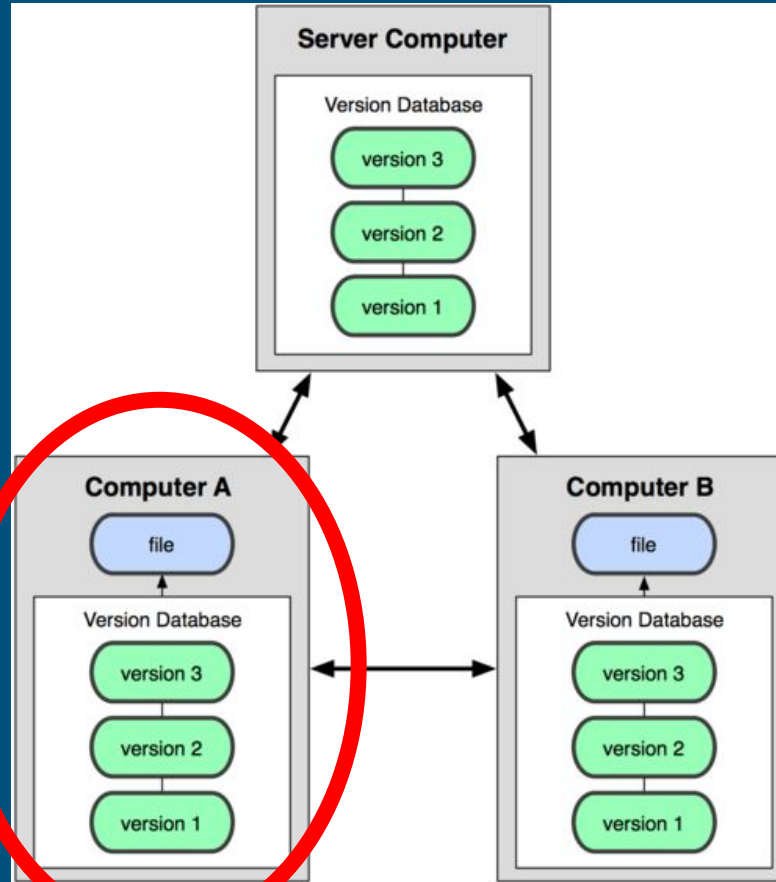
# Goals for Today

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- Learn about GitHub
- Hook up our new repository
- Collaborate with each other

# Git model:

Repository  
on Local  
Computer



Repository  
on server  
like GitHub

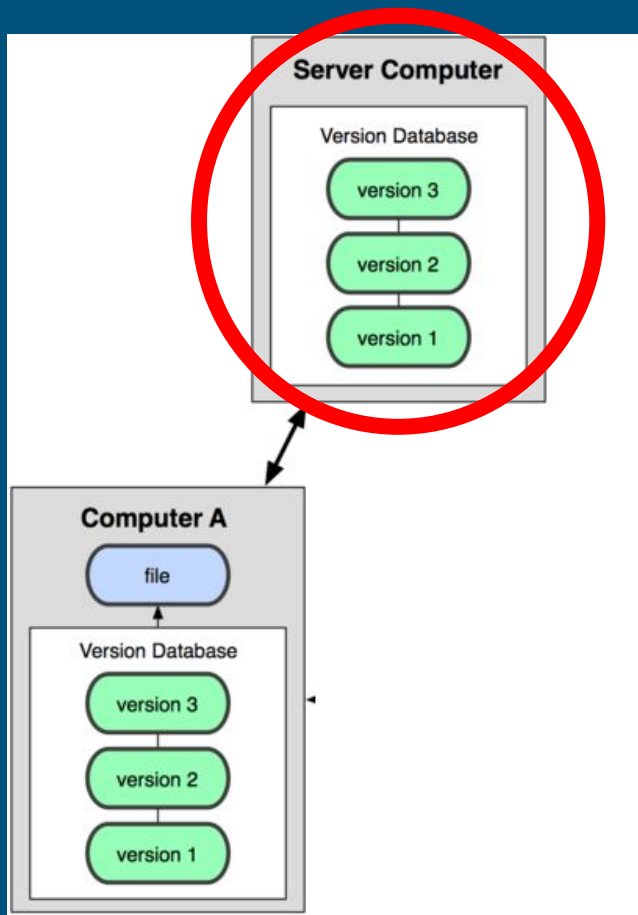
Repository  
on Local  
Computer

Garko, Ahmed et al. (2015). THE ROLE OF DISTRIBUTED VERSION CONTROL SYSTEMS IN TEAM COMMUNICATION AND LEARNING SYSTEM.

# Git model:

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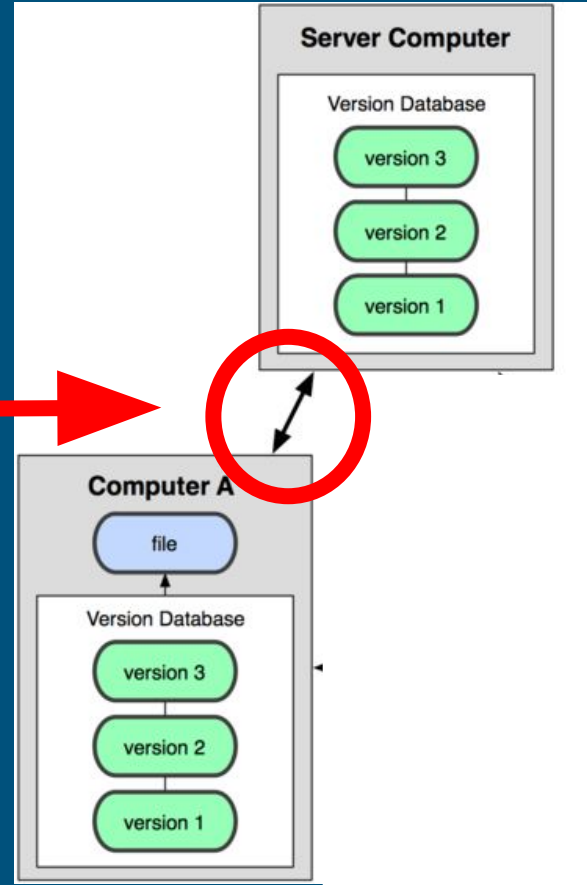
Repository  
on Local  
Computer



Repository  
on server  
like GitHub

# HTTPS or SSH?

Repository  
on Local  
Computer



Repository  
on server  
like GitHub

Let's try it out.

# Finish-up

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- No assignment!
  - Although if you do have suggestions for topics you'd like reviewed or expanded, please let me know.
- Next week we will be at a this Zoom Link again