

R Projects and Github

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Reflexive project management



Reflective project management



Part 1: Git and GitHub



What is Git?

- A method of version control
- Records of changes
 - What
 - When
 - *Why*

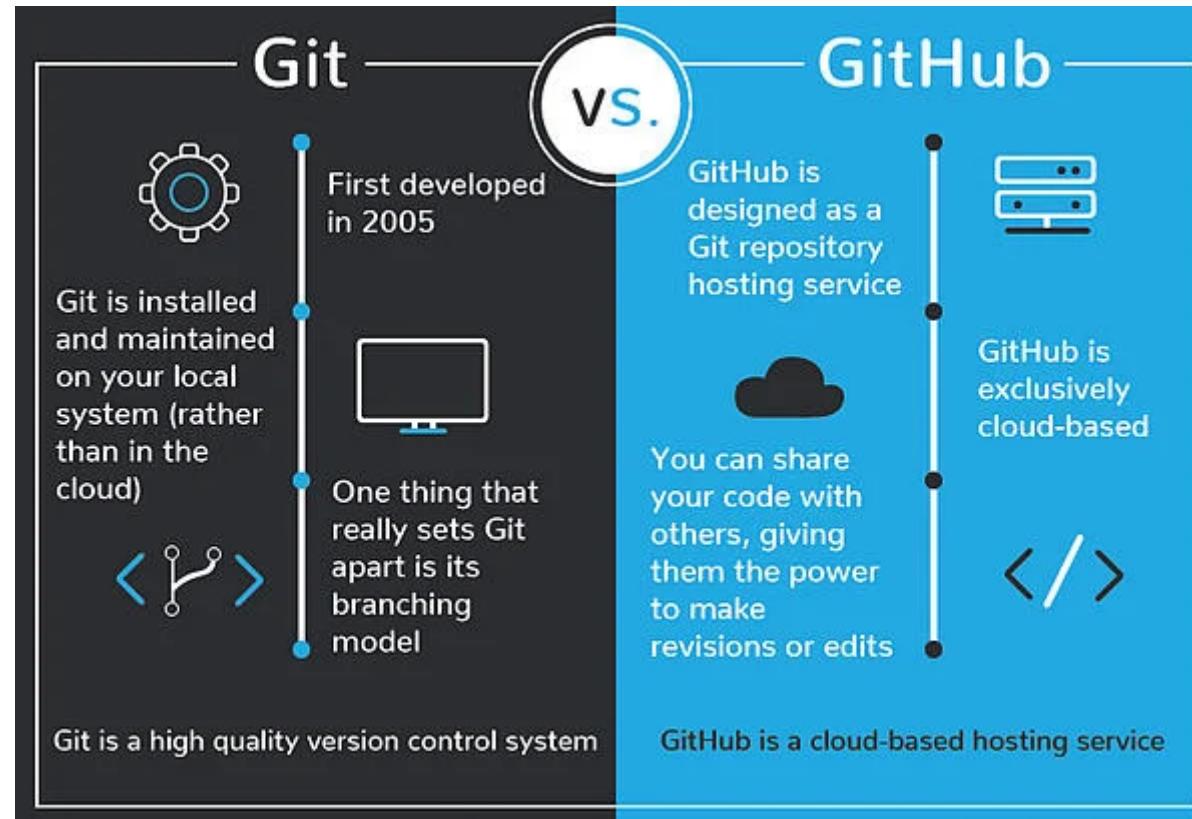
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What is GitHub?

- A cloud-based repository
- A collaboration tool
 - Code sharing
 - Networking
 - Documentation
 - Bug reporting
- GitHub Tour



Comparison of Git and Github



Ok, I'm sold. Now what?

Step 1: Install git.

- GitHub's Guide to Git

Ok, I'm sold. Now what?

Step 1: Install git.

Step 2: Sign up for GitHub.

- [Link to GitHub main page](#)

Ok, I'm sold. Now what?

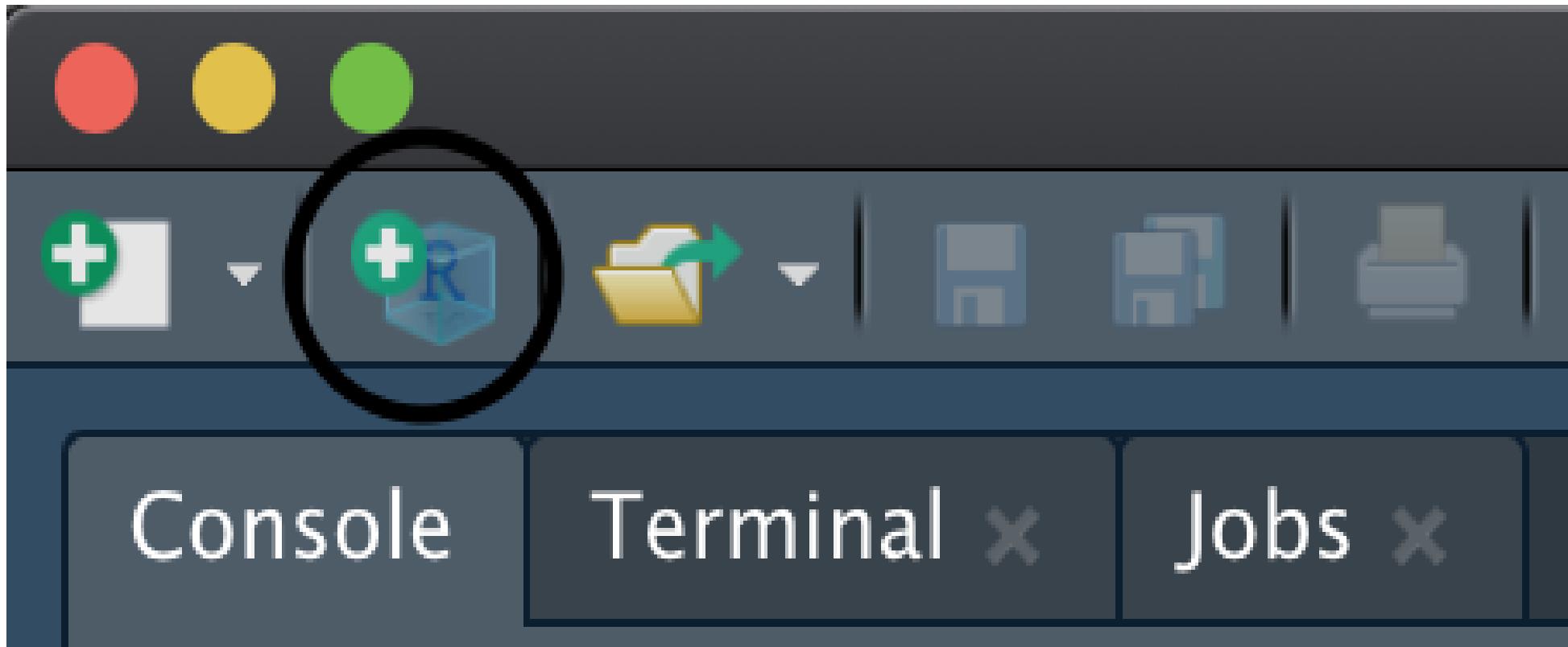
Step 1: Install git.

Step 2: Sign up for GitHub.

Step 3: Set up a repository.

- [Link to GitHub repository setup](#)

Part 2: R Projects



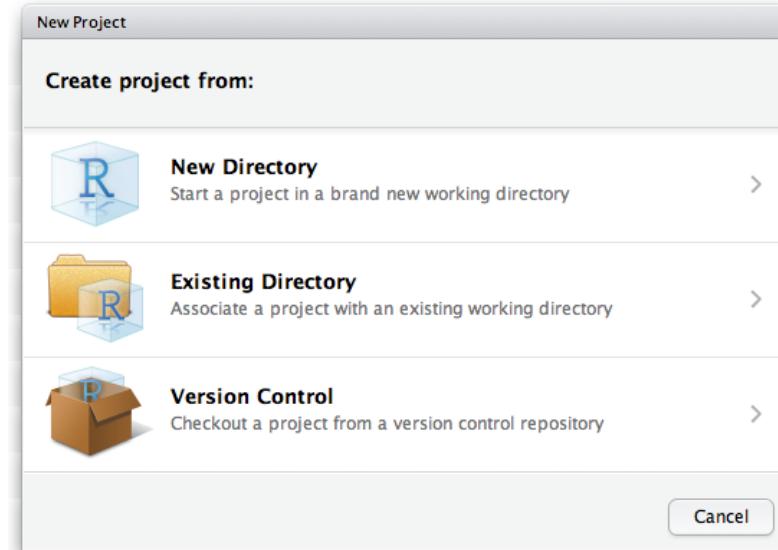
What is an R Project?

- A method of organization
- Associated with a project directory
 - Keeps everything together in one place
- A file type
 - .Rproj



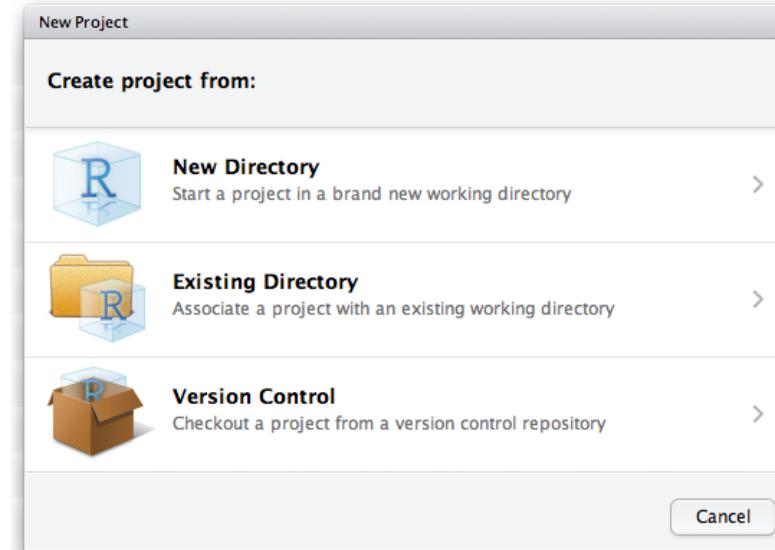
Starting a new R Project

- From existing GitHub repository
 - Live demo!
 - Happy Git with R article



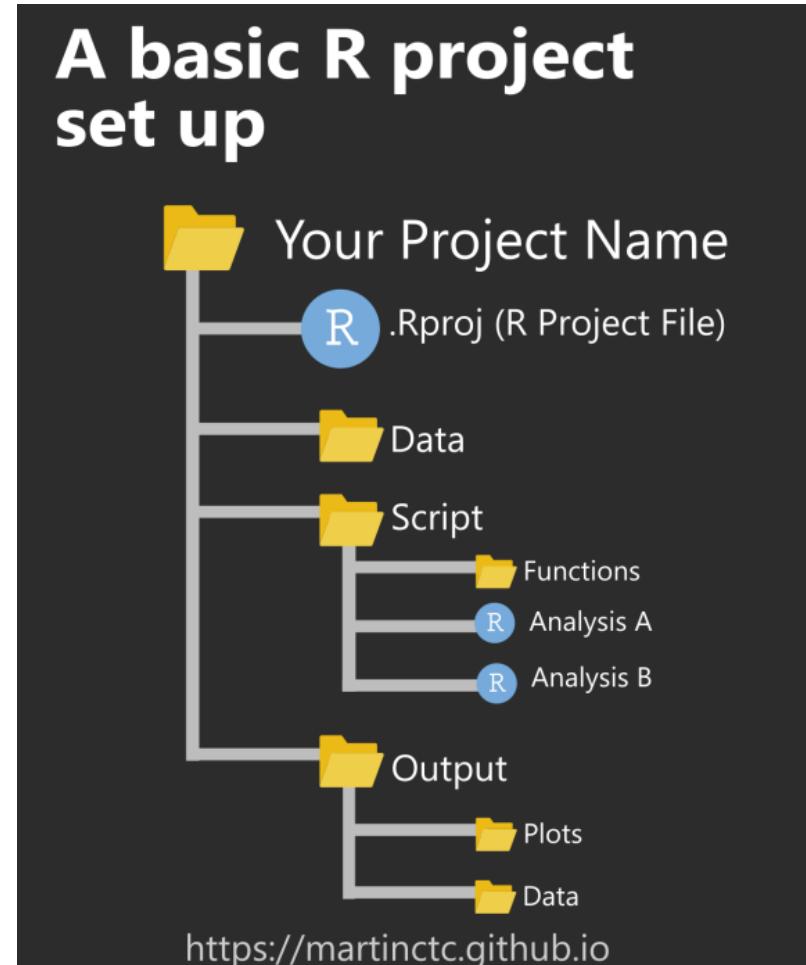
Starting a new R Project

- From existing GitHub repository
 - Live demo!
 - Happy Git with R article
- From scratch
 - This can be annoying
 - But if you want to try doing it this way



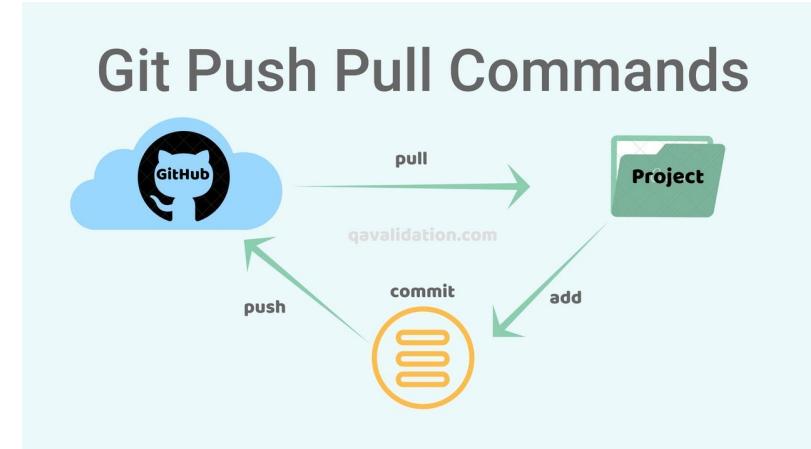
Basic Organization

- Keep things simple
- Like this -->



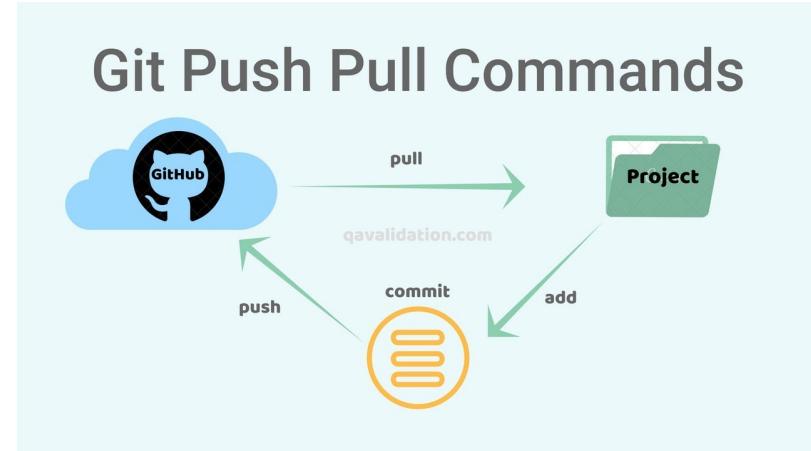
Pushing and pulling your project

- Think of it like hitting "Save".
- "Pull" downloads updates from GitHub
- "Commit" accrues local changes
- "Push" sends updates to GitHub



Two important files in any project

- .gitignore
- README.md
- Live tour



More resources

- R for Data Science Chapter on R Projects
- R Studio article on R Projects

Fin.

