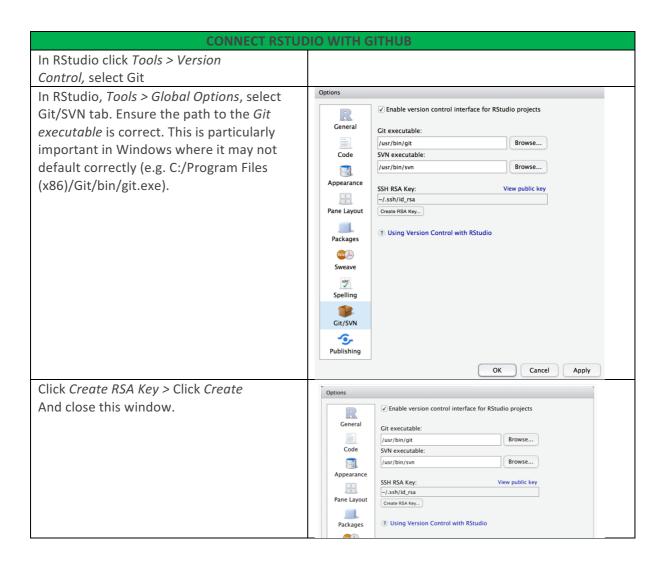
Github - R studio Cheat Sheet

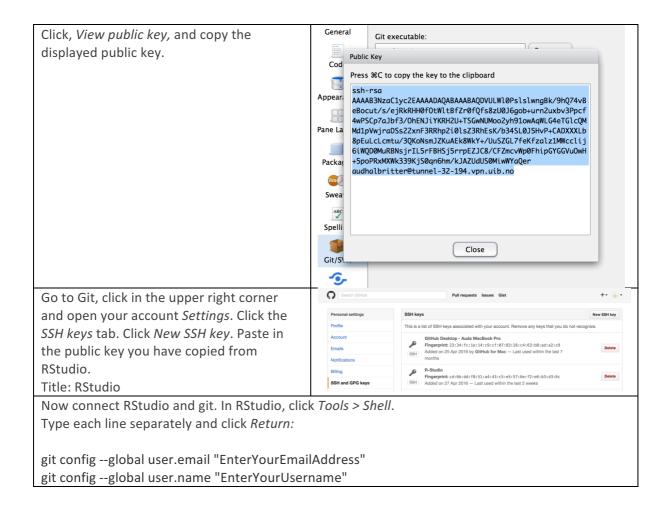
Why use version control?

- Easy to share code
- Work on the same code at the same time
- Keeping track of changes in the code

Preparation:

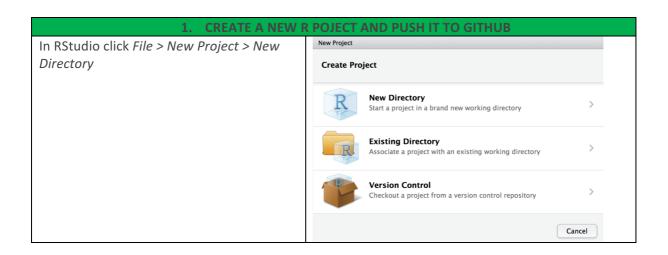
- 1. Download Git or similar: https://git-scm.com/
 For UiB users git is on the Software Centre.
- 2. Get a github account: https://github.com/
- 3. Connect RStudio with Github

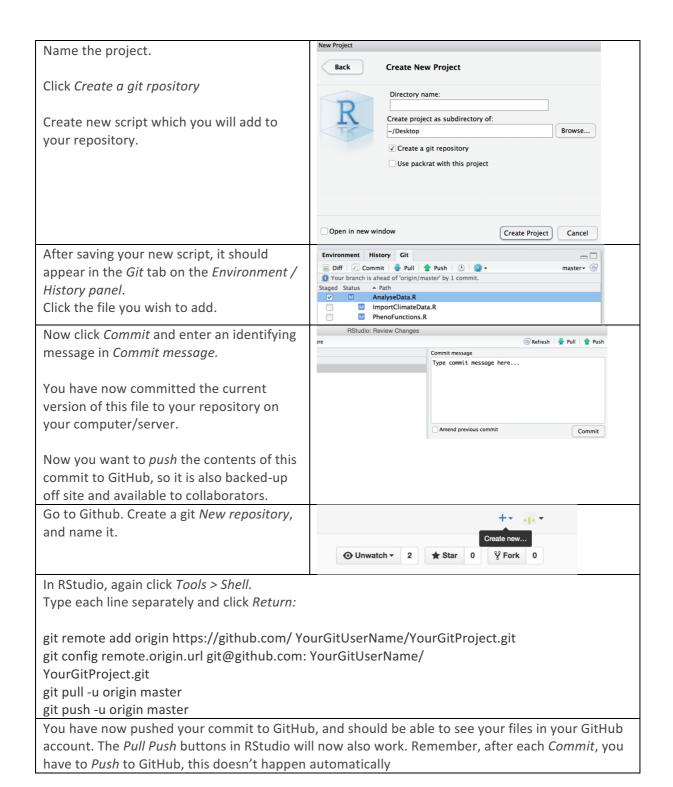


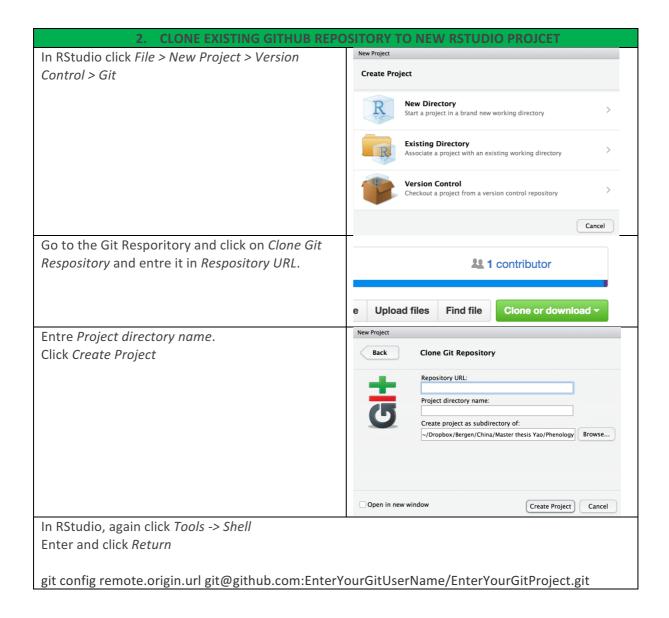


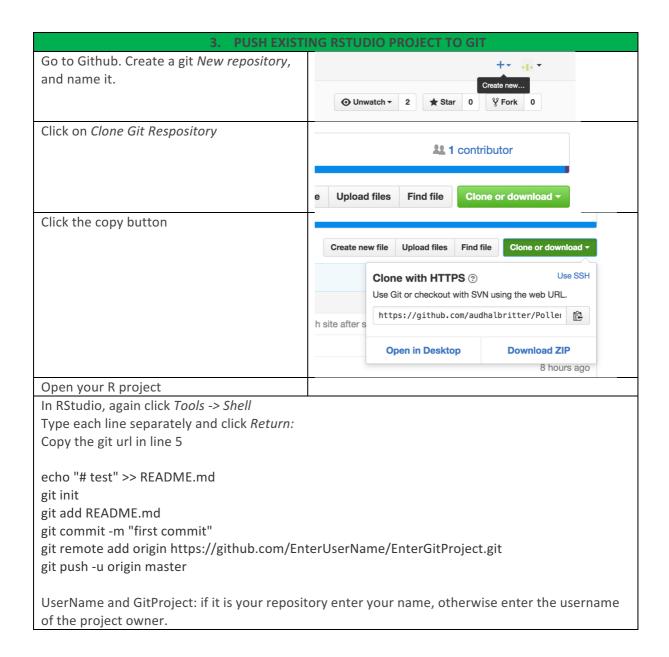
OPTIONS:

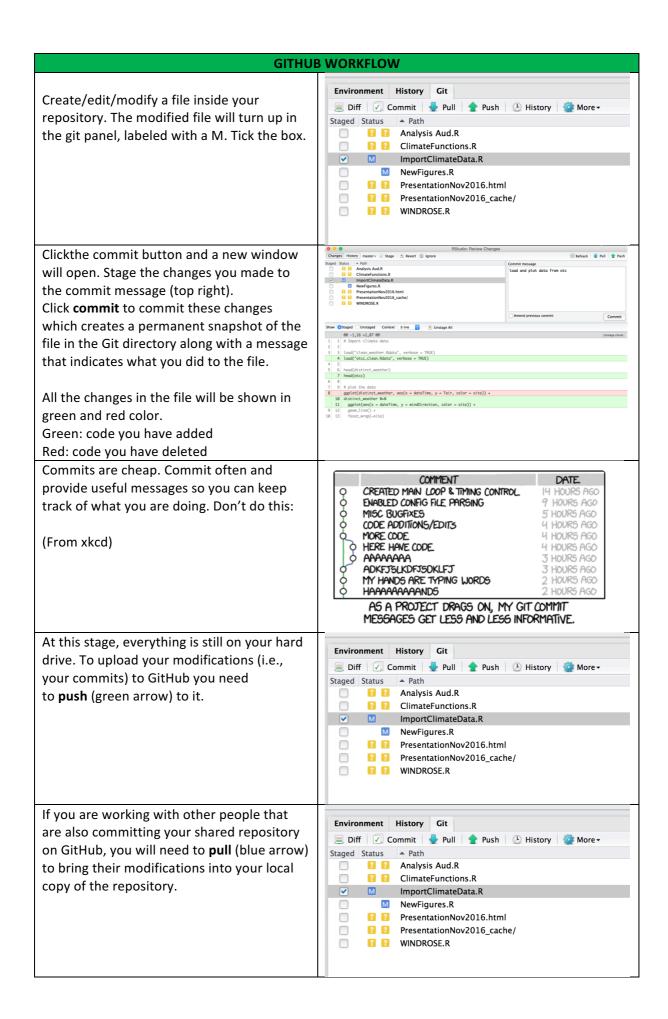
- 1. **Create a new RStudio Project and push it to Github**: You are starting a new RStudio project from scratch and want to connect it to Github.
- 2. Clone an existing Github Repository to an RStudio Project: You already have a Github repository and want to create an RStudio project or you want to collaborating with somebody's Github repository.
- 3. **Push an existing RStudio Project to a new Github Repository**: You have an existing RStudio project, which you have worked on for a while and now you want to create an Github repository to keep track on the changes you make.











Some rules:

- Commit code and plain text
- Don't upload large files (e.g. data files)
- Don't upload output files (figures)
- You can create a gitignore file where you can define, which rules can be uploaded to git.

Useful commands in shell

List email and user name:

git config --global --l

Change email and user name:

git config --global user.email "EnterYourGitEmail.com"

git config --global user.name "EnterYourGitUsername"

Information on repository: local

git config --local --l

Make RStudio remember the username and password:

git config remote.origin.url git@github.com:EnterYourGitUsername/EnterYourGitProject.git

Example: git config remote.origin.url git@github.com:your audhalbritter/Phenology.git

References:

https://www.r-bloggers.com/rstudio-and-github/ http://r-bio.github.io/intro-git-rstudio/