

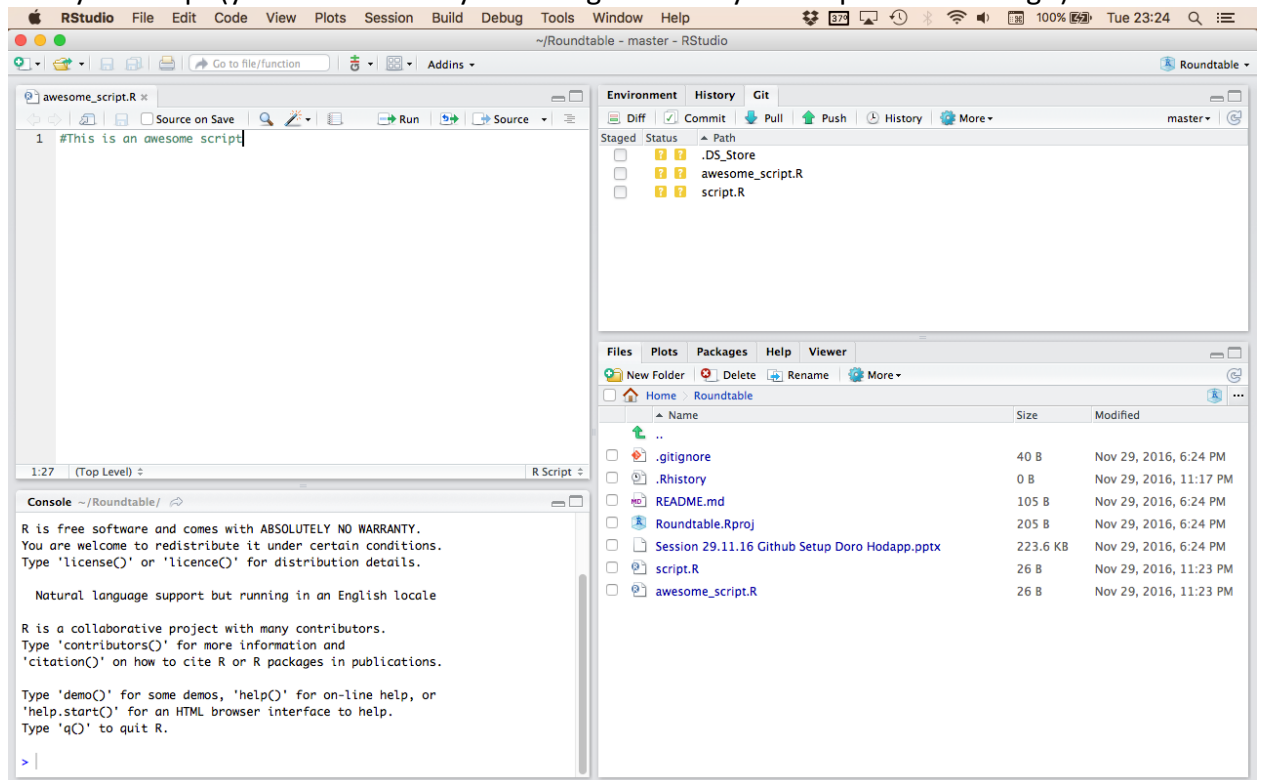
How to use git in RStudio:

Create a new project

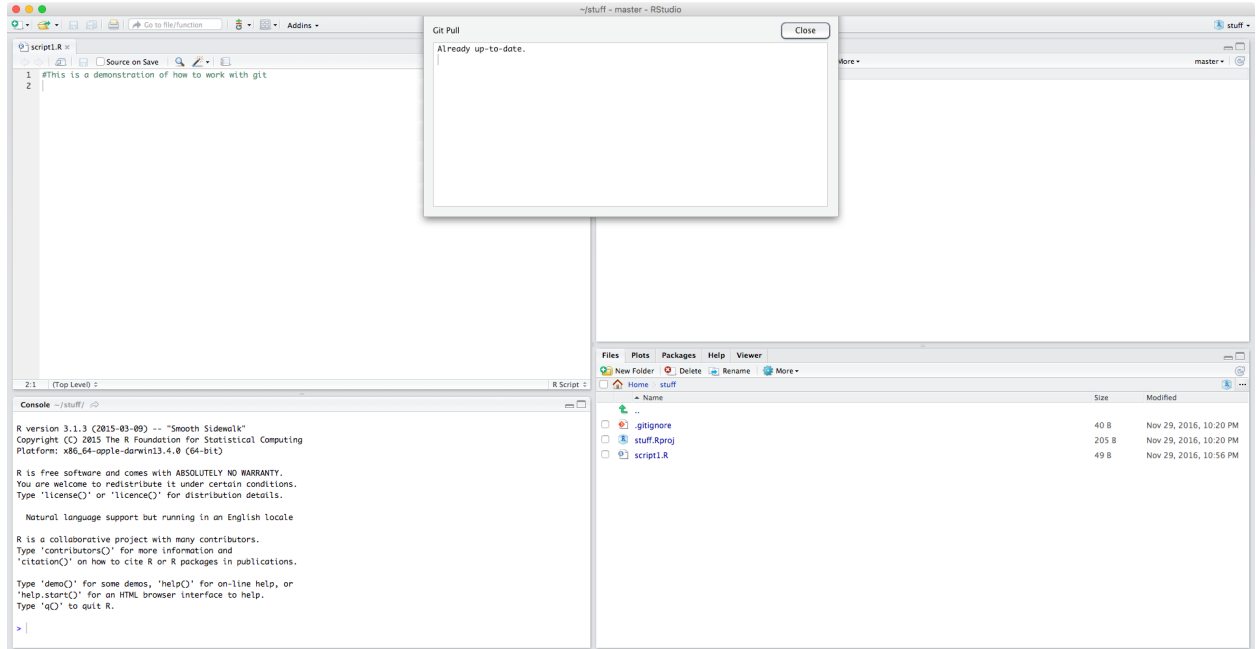
- go to your github profile on <https://github.com> and click repositories -> new
- name it and define whether it should be private or public (you should also create a readme to describe what your repository is actually made for (either as a help for yourself or for other people that you possibly collaborate with
- after you created the repository, copy its link (e.g. <https://github.com/dbahlburg/test>) you can find the link when you simply open the repository in your browser
- open RStudio
- File -> New Project -> Version Control -> Git -> paste your repository URL inside the text field and define the path you want the project to be saved on your computer -> create project
- Now your new project will be saved and organized with help of git and your work is gonna be uploaded in case you commit and push...

Use git within RStudio to manage your project

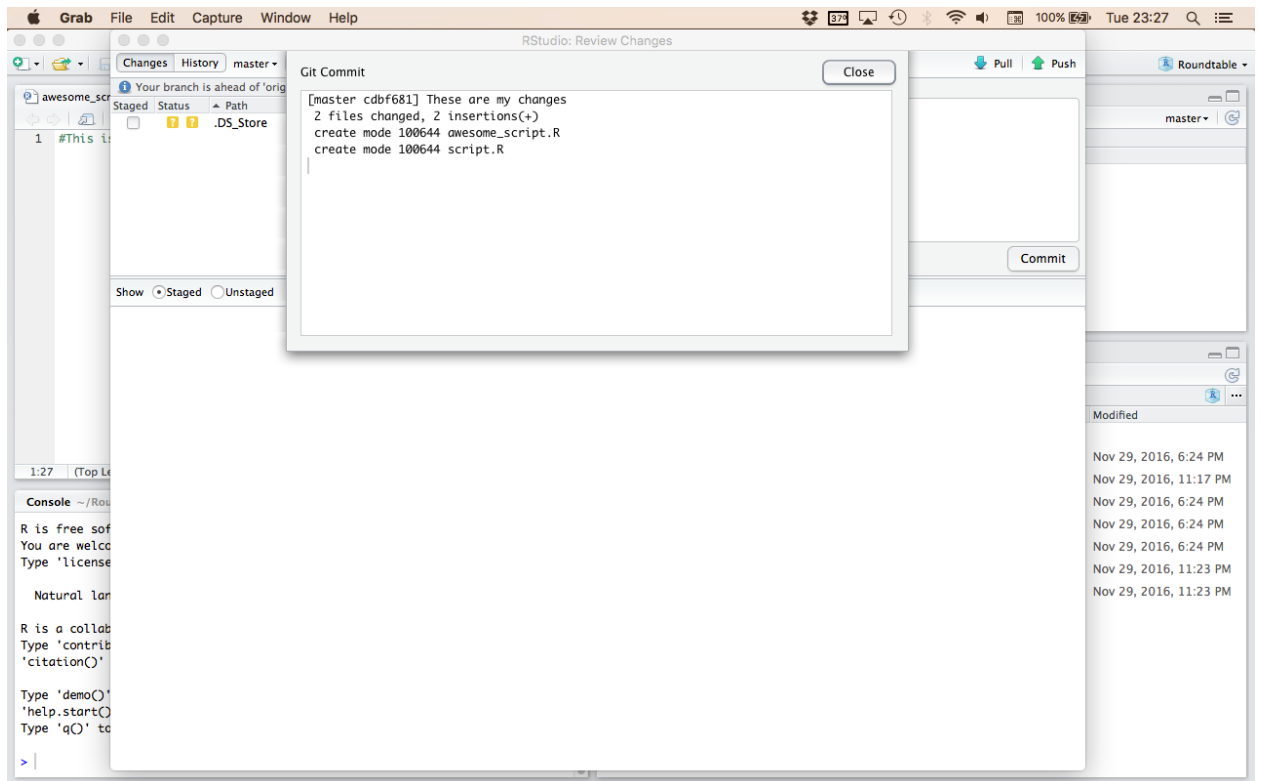
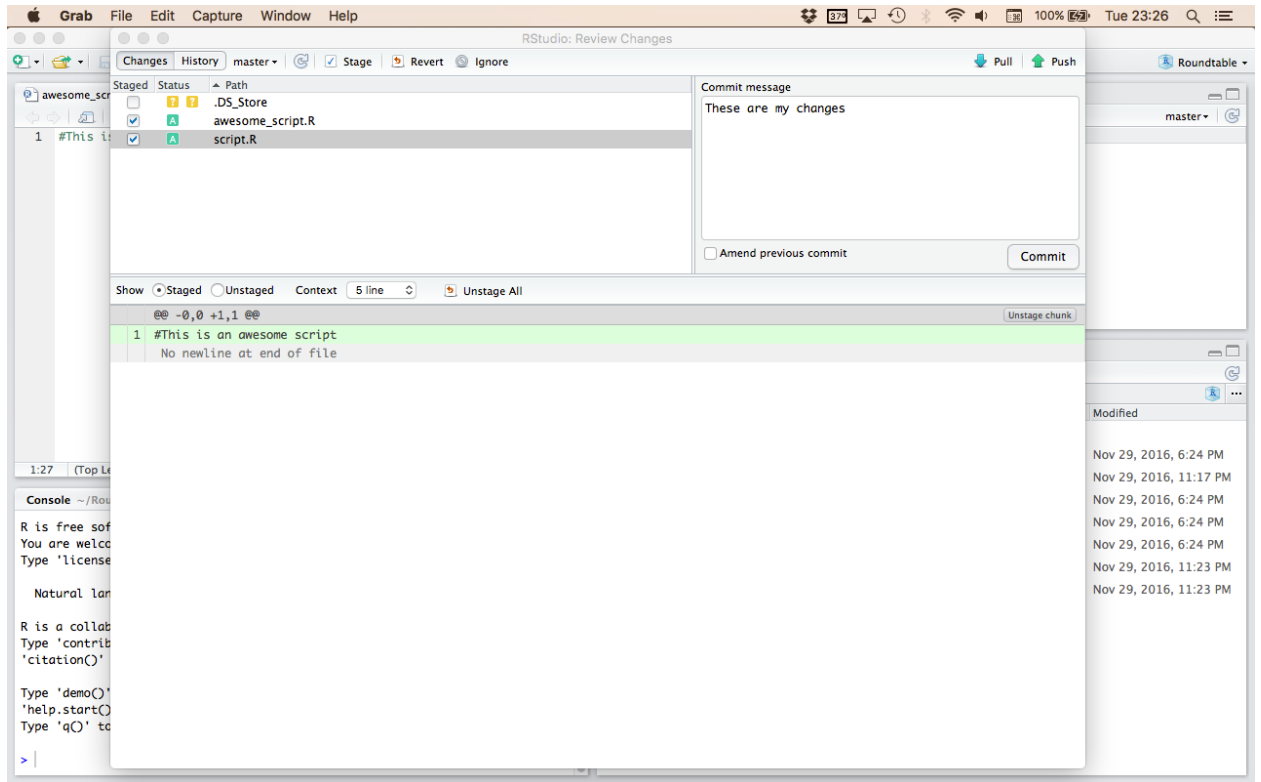
- in case you write your script and want to save changes, not only in your local file (the one saved on your computer), simply “commit and push”...
 - maybe let's go through the workflow...
1. write your script
 2. save your script (you need to save your changes before you can push them on git)



- before you commit or push changes, you should always “Pull”. Pull means that you “pull” files from the repository and check whether any changes have been made by e.g. other contributors. This updates your file to the newest version before you start committing new changes. In case nothing changed in the meantime (since your last “Pull”), you should get a message “Already up-to-date”. Otherwise, any changes will be listed



- After that you can start committing your own changes
- Click “commit” and check the files you want to upload/update. Then you should add a comment, usually describing what you actually changed and why. This will help you in case you need to understand your changes later or want to go back to an older version of your script



6. After committing your files, you're almost done. Simply click "Push" and your changes will be uploaded on github. In case you want to add other files than R-Scripts to your

repository (e.g. plots, tables, csv-files you're working with), copy them into the local folder of your repository on your computer. After that you should see them as project files in your project in RStudio under the Tab "Files". To upload them to github, commit just like with any other file changes before.

