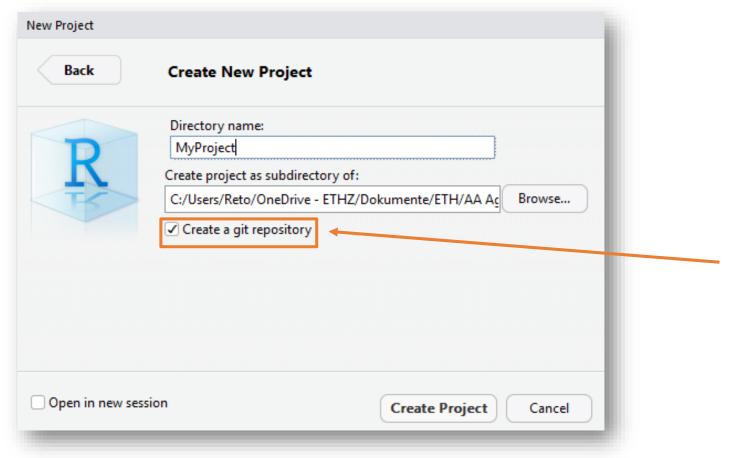
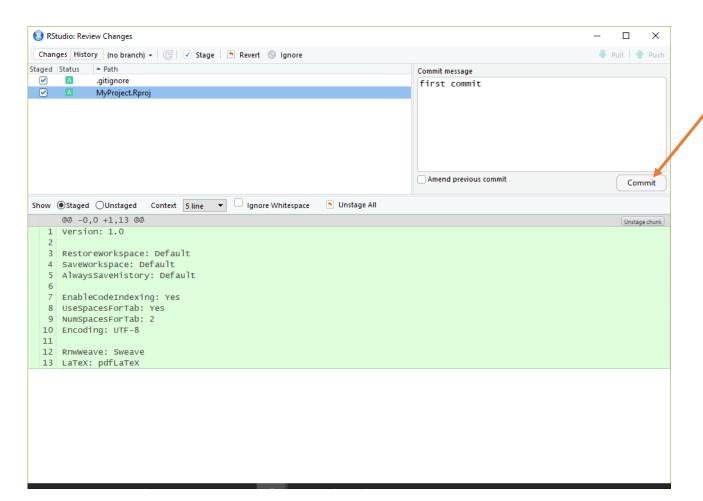
1) Make new project with git version control



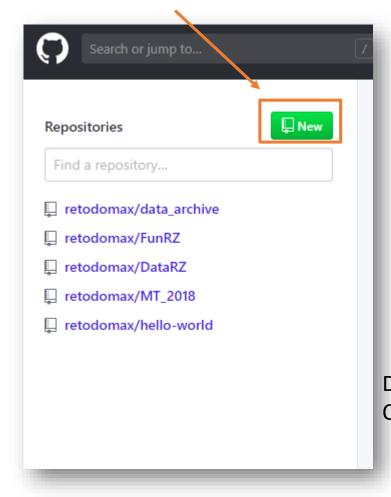
2) Commit your first files



important to have at least one commit

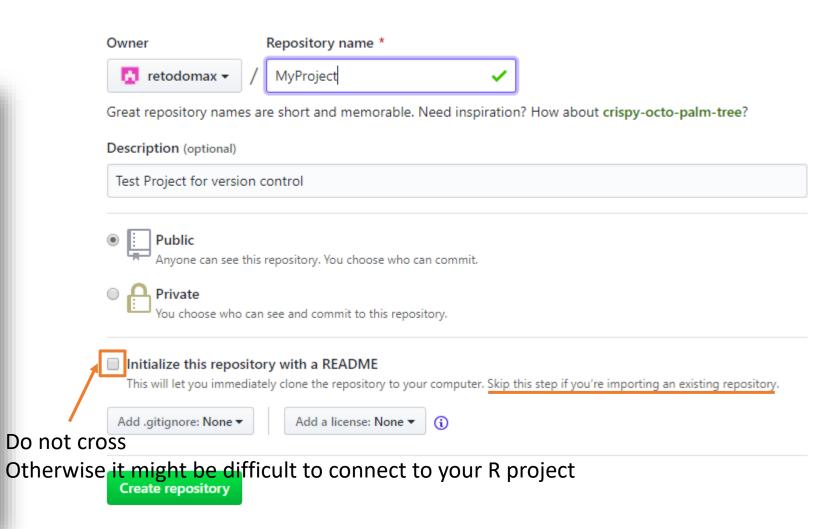
=> it is not possible to push empty (no commit) git file to github

3) Make new Repository on github.com



Create a new repository

A repository contains all project files, including the revision history.

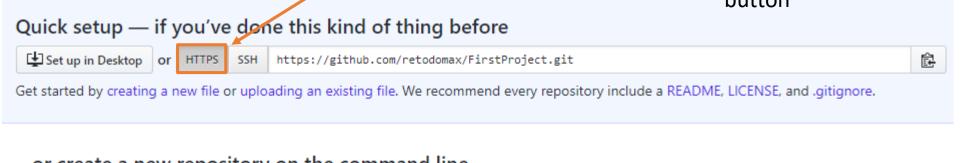


better use https instead of ssh (less problems with ssh client and passwords)

4) Copy git command to push existing repository

You also find this link later by clicking on the green "clone or download" button

Copy button



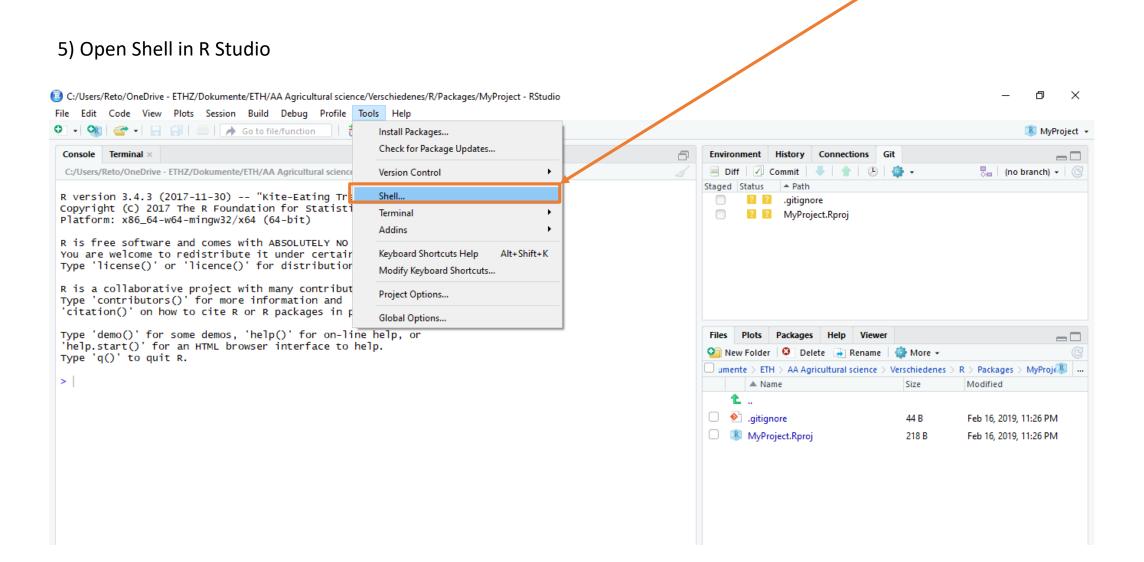
...or create a new repository on the command line

```
echo "# FirstProject" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/retodomax/FirstProject.git
git push -u origin master
```

git remote add origin https://github.com/retodomax/R_Ref_Book.git git push -u origin master

...or push an existing repository from the command line

git remote add origin https://github.com/retodomax/FirstProject.git
git push -u origin master



6) Paste copied commands into the shell therminal → Enter

```
C:\WINDOWS\syswow64\cmd.exe

C:\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\FirstProject\git push -u origin master

Counting objects: 4, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (3/3), done.

Writing objects: 100% (4/4), 444 bytes | 148.00 KiB/s, done.

Total 4 (delta 0), reused 0 (delta 0)

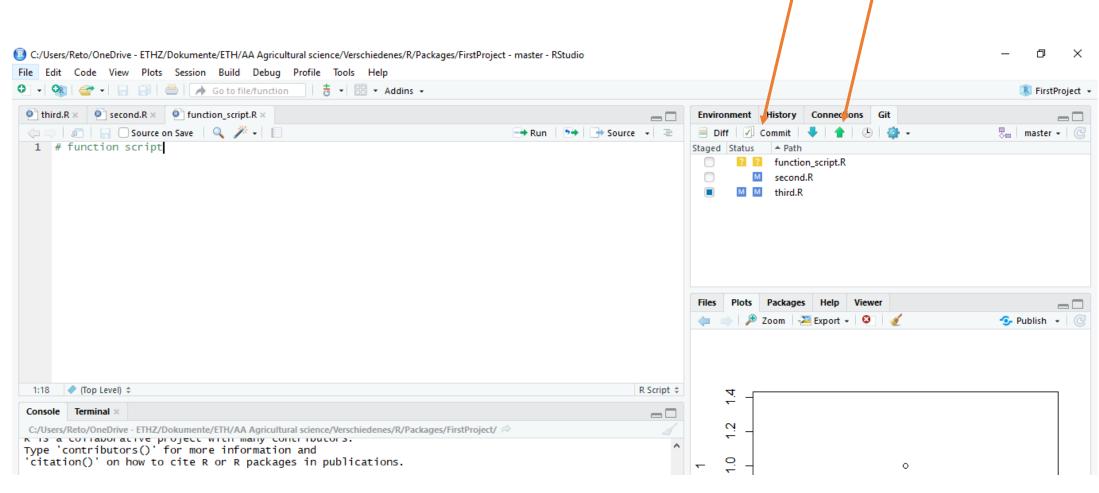
To https://github.com/retodomax/FirstProject.git

* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

C:\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\FirstProject>
```

7) Regularly Commit changes and push newest version on githup



Commit

(save new

version of

project)

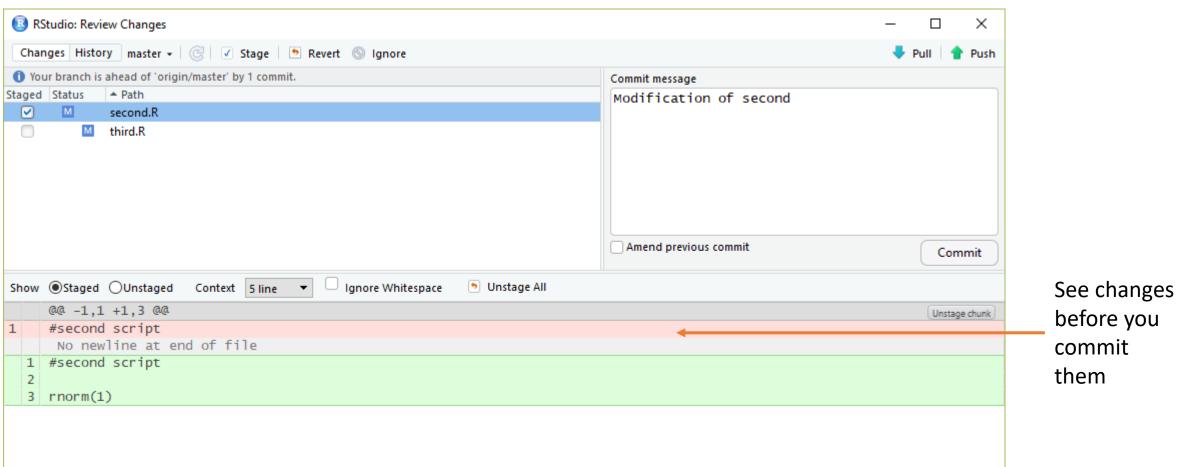
Push

(push new

on github)

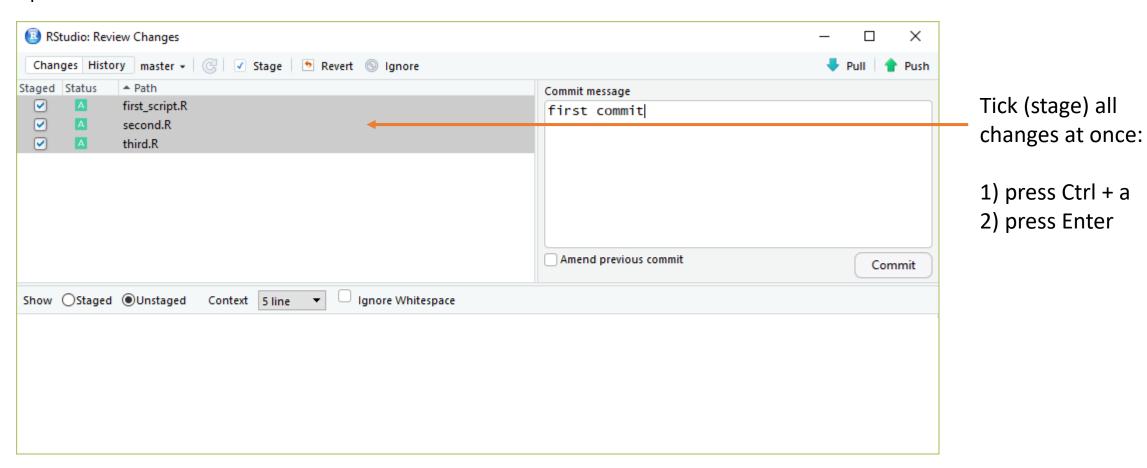
version of project

Tips:



before you

Tips:



Password problem with ssh

Common problem

```
C:\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedene s\R\Packages\MyProject>git push -u origin master Warning: Permanently added the RSA host key for IP address '140.82.118.4' to the list of known hosts.
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights and the repository exists.

C:\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedene s\R\Packages\MyProject>
```

Common problem

Problem: variable origin was already defined earlier

C:\WINDOWS\syswow64\cmd.exe Microsoft Windows [Version 10.0.17134.590] (c) 2018 Microsoft Corporation. Alle Rechte vorbehalten. :\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\NewProjec fatal: remote origin already exists. :\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\NewProject>git remote rm origin :\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\NewProject>git remote add origin https://github.com/retodomax/NewProject.git :\Users\Reto\OneDrive - ETHZ\Dokumente\ETH\AA Agricultural science\Verschiedenes\R\Packages\NewProject>

git remote rm origin

Solution: First delete the path in variable origin

Devine variable

defines git remote

=> where the git

file is pushed to)

origin (which