

# R und Versionsverwaltung

*Jan-Philipp Kolb*

*09 Mai 2017*

## Rstudio und git - ein Projekt anlegen

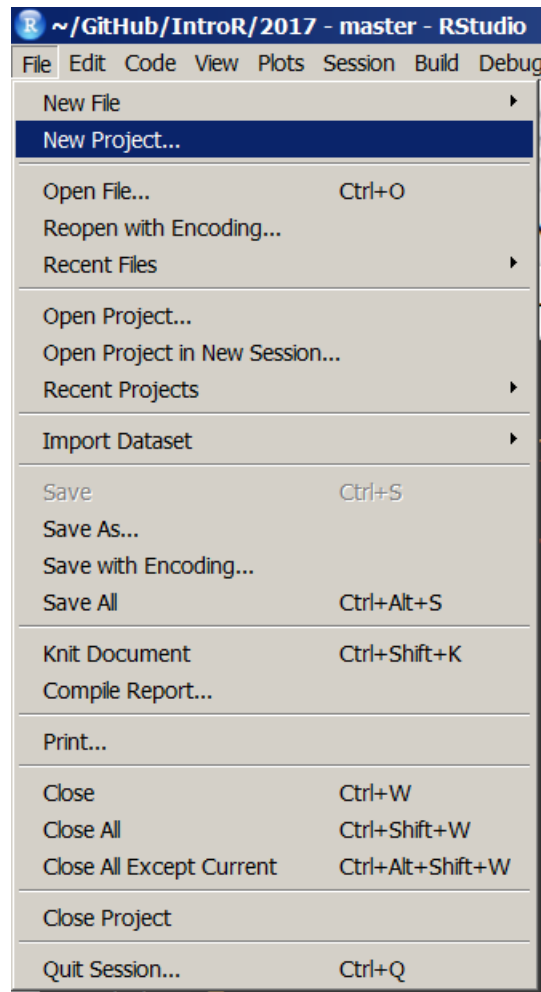


Figure 1:

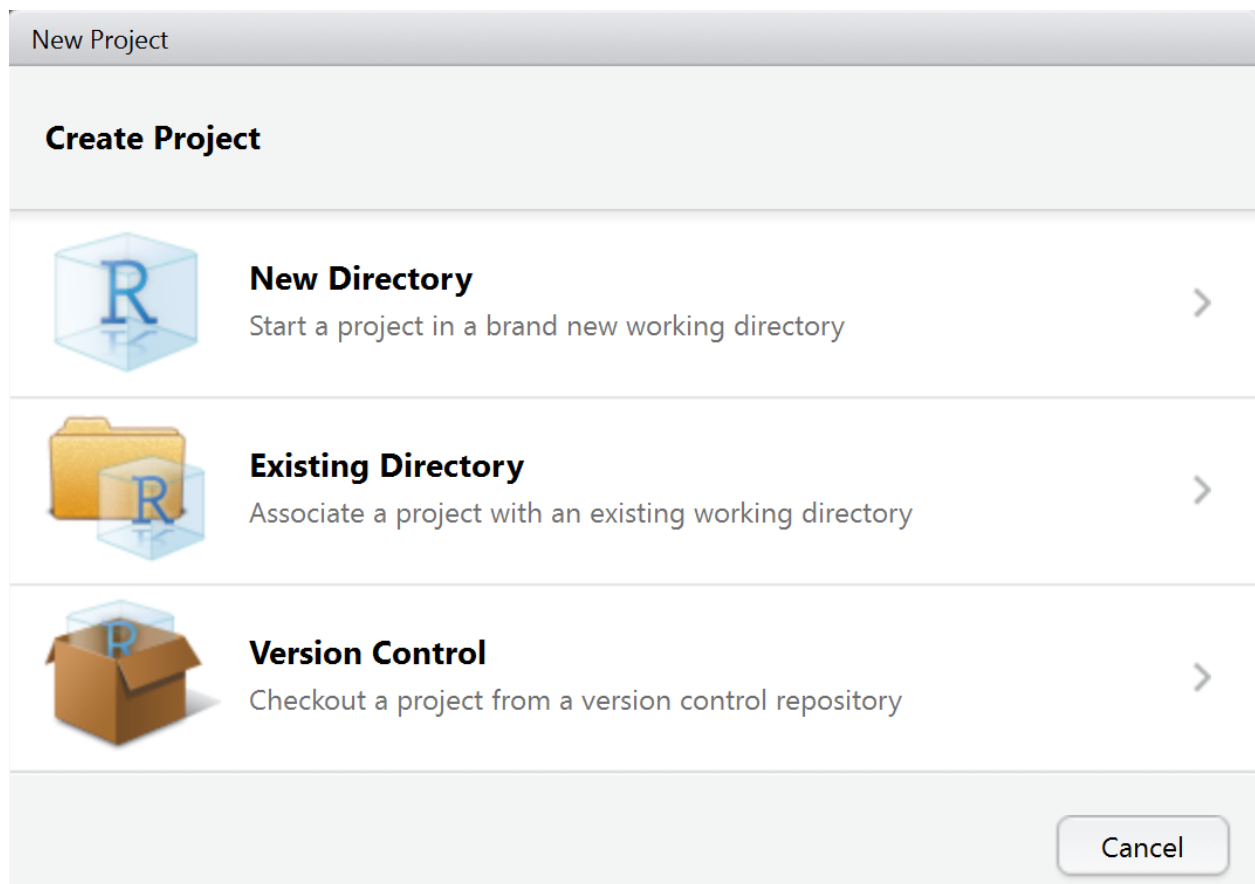


Figure 2:

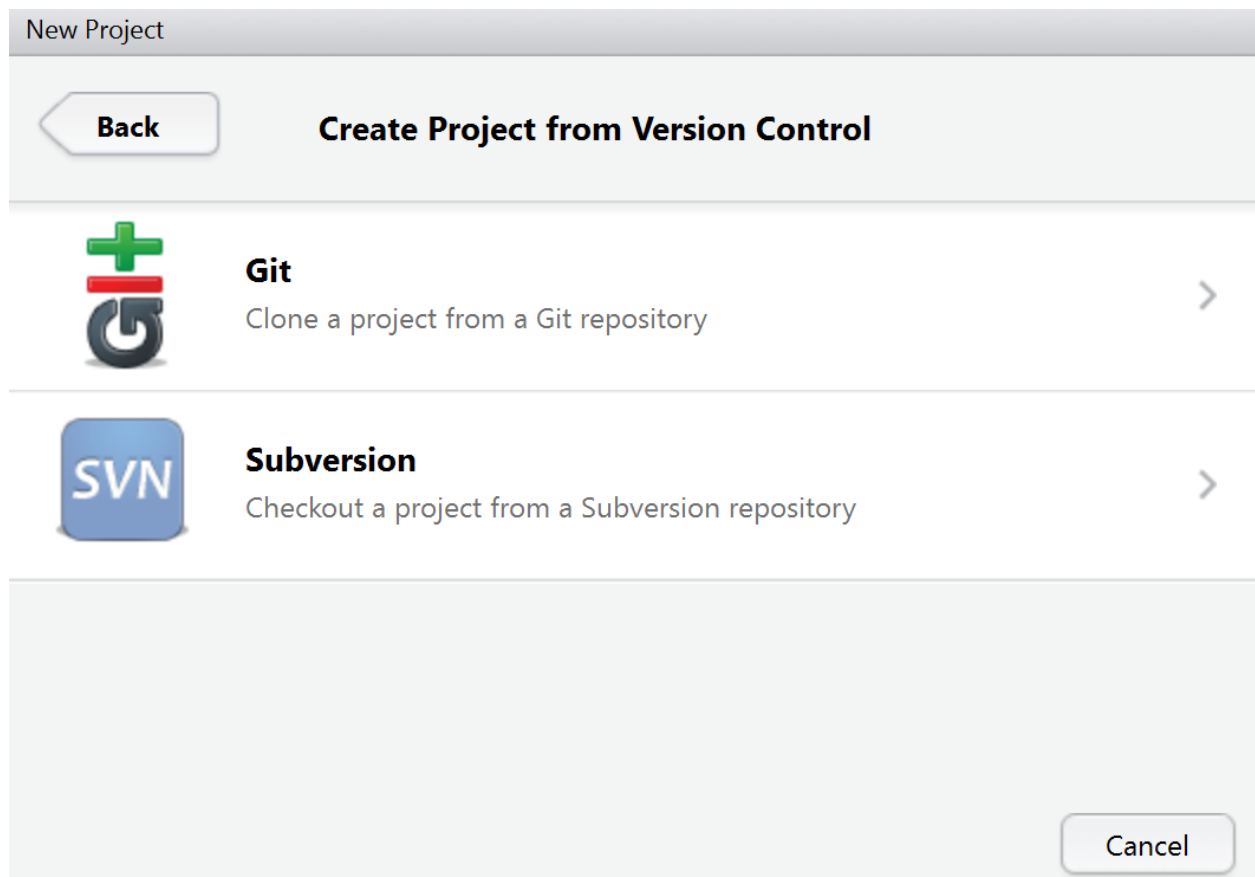



Figure 3:

New Project

**Back** **Clone Git Repository**



Repository URL:

Project directory name:

Create project as subdirectory of:  
 **Browse...**

☐ Open in new session **Create Project** **Cancel**

Figure 4:

Environment			History	Plots	Git	Presentation x		
Diff			Commit				master	
Staged	Status	Path						
<input type="checkbox"/>	D	DataBases.Rmd						
<input type="checkbox"/>	D	DataBases.html						
<input type="checkbox"/>	D	DataBases.md						
<input type="checkbox"/>	M	Readme.Rmd						
<input type="checkbox"/>	D	Readme.html						
<input type="checkbox"/>	D	index.html						

Figure 5:

## Ein Projekt mit Versionskontrolle

### Auswahl Versionskontrolle

### Ein Projekt klonen

### Der git-Reiter in Rstudio

### Aktuelle eigene Änderungen committen

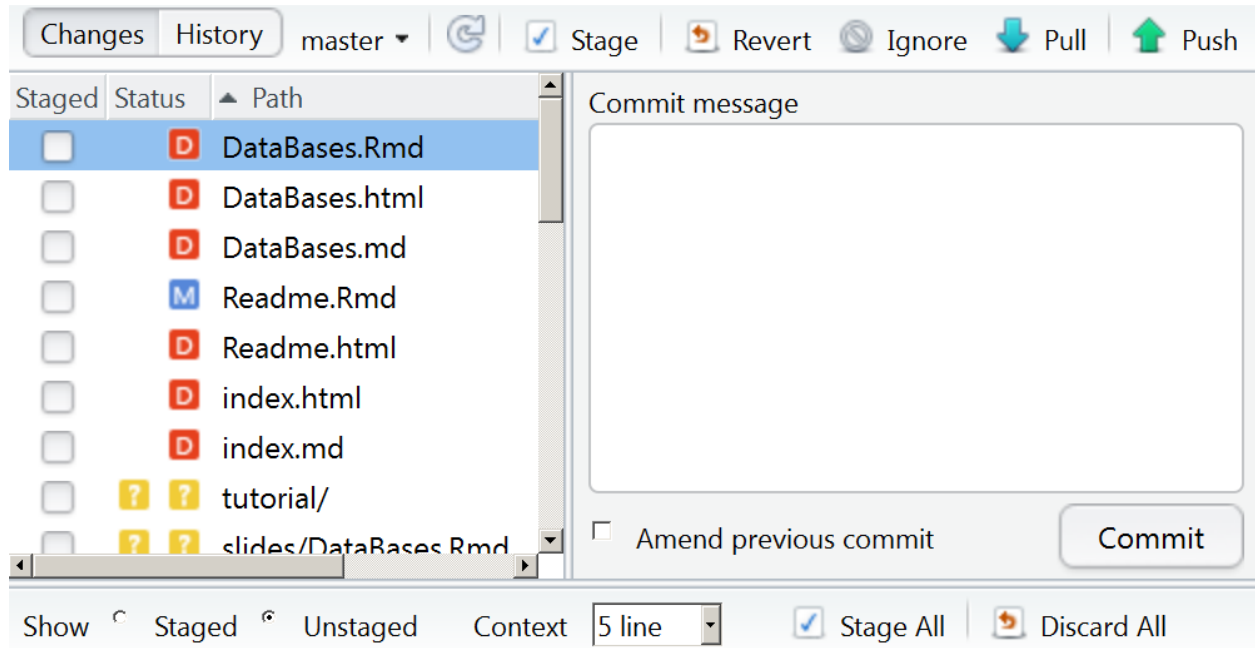


Figure 6:

### Der übliche Ablauf

- Datei bearbeiten und speichern
- Änderungen committen
- Änderungen von anderen ziehen (pull)
- Eigene Änderung hochladen (push)

### Links

- Commit failed - git shell
- Git cheatsheet

### Commands

```
git commit
```

`git push`

<http://stackoverflow.com/questions/1125968/force-git-to-overwrite-local-files-on-pull>

## Problems with disk space

WinDirStat <https://support.microsoft.com/de-de/kb/912997> <http://www.pcwelt.de/tipps/Update-Dateien-loeschen-8357046.html>

## Quelle für Pakete

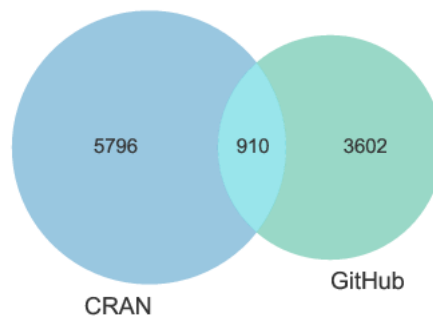


Figure 7:

## Ein Paket von Github installieren

```
install.packages("devtools")  
library(devtools)  
install_github("Japhilko/gosmd")
```

## Datensätze Suchfunktion

## Git und Rstudio

## Links

- Using github and rstudio
- How do I tell Git for Windows where to find my private RSA key
- Reset local repository branch to be just like remote repository HEAD
- How I Manage Data Analysis Projects with RStudio and Git - Part 1
- How do I force “git pull” to overwrite local files?

Branch: master GeoData / data / BLA\_tab.csv

Japhilko scraping 5fFce56 on 29 Mar 2016

1 contributor

18 lines (17 sloc) 866 Bytes

Raw Blame History

	Land	Fläche (km <sup>2</sup> )	Einwohner	Einw. je km <sup>2</sup>	Hauptstadt
2	Baden-Württemberg	35751.36	10569111	296	Stuttgart
3	Bayern	70550.23	12519571	177	München
8	Hessen	21114.93	6016481	285	Wiesbaden

Figure 8:

# Version Control, File Sharing, and Collaboration Using GitHub and RStudio

January 29, 2017

By geraldbelton

Like 113 Share in Share 21

(This article was first published on R – Gerald Belton, and kindly contributed to R-bloggers)

102 SHARES

f Share

Twitter Tweet

This is Part 3 of our "Getting Started with R Programming" series. For previous articles in the series, click here: Part 1, Part 2.

This week, we are going to talk about using git and GitHub with RStudio to manage your projects.

Figure 9: