

How to connect Github with Rstudio For Windows

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Resource

- This is a brief summary for quick start. For a better and more detailed explanation, please refer to Dr. Jenny Bryan's course page at:

http://stat545-ubc.github.io/git00_index.html

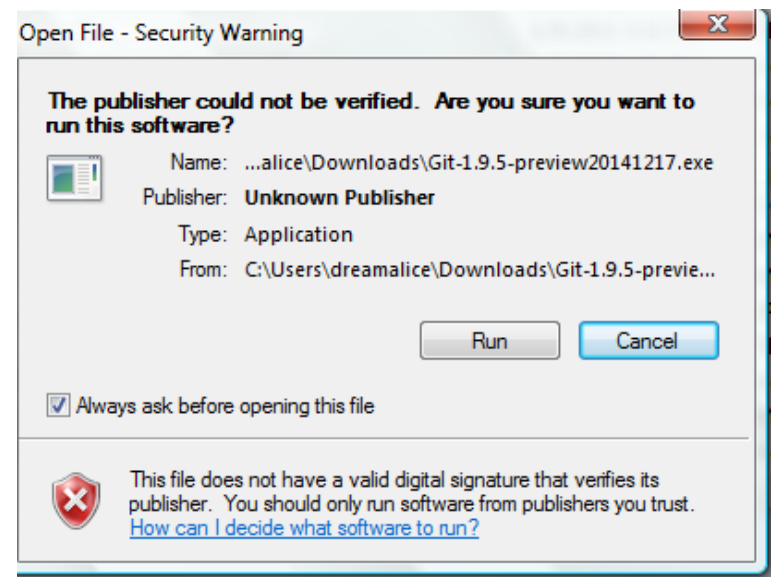
Step 1: Install Git

- Download Git for Windows:

<http://git-scm.com/download/win>

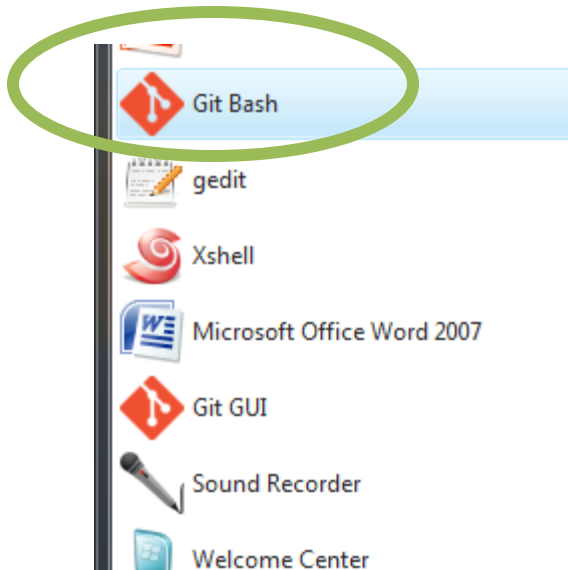
- Run the executable file:

Git-1.9.5-preview20141217.exe



Step 1: Install Git

- Declare your github account, in the Git bash terminal:
git config --global user.name "your GitHub account name"
git config --global user.email "your GitHub associated email"



Step 2: connect Rstudio to Git

- In the top menu bar of Rstudio, click Tools → Global Options
- In the popup Options panel, click Git/SVN in the menu bar(left column)
- In the text field asking for Git executable, browse to the path where git.exe is stored, click OK. Close your Rstudio and restart to reinitialize everything.

C:/STAT540_2015/seminar2/testRepository - master - RStudio

File Edit Code View Plots Session Build Debug Tools Help

Go to file/function

Console C:/STAT540_2015/seminar2/testRepository/

```
R version 3.1.2 (2014-10-31) -- "Pumpkin Helmet"
Copyright (c) 2014 The R Foundation for Statistical Computing
Platform: i386-w64-mingw32/i386 (32-bit)

R is free software and comes with ABSOLUTE NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[workspace loaded from C:/STAT540_2015/seminar2/testRepository/]
> list.files()
[1] "calculateProbsInFunction.R" "README.md"
[4] "theFirstCommit.R"
>
```

Environment History Git

Import Dataset Clear

Options

General

Code Editing

Appearance

Pane Layout

Packages

Sweave

Spelling

Git/SVN

☒ Enable version control interface for RStudio projects

Git executable:

C:/Program Files/Git/bin/git.exe Browse...

☒ Use Git Bash as shell for Git projects

SVN executable:

(Not Found) Browse...

SSH RSA Key:

(None) Create RSA Key...

? Using Version Control with RStudio

OK Cancel Apply

obs. of 7

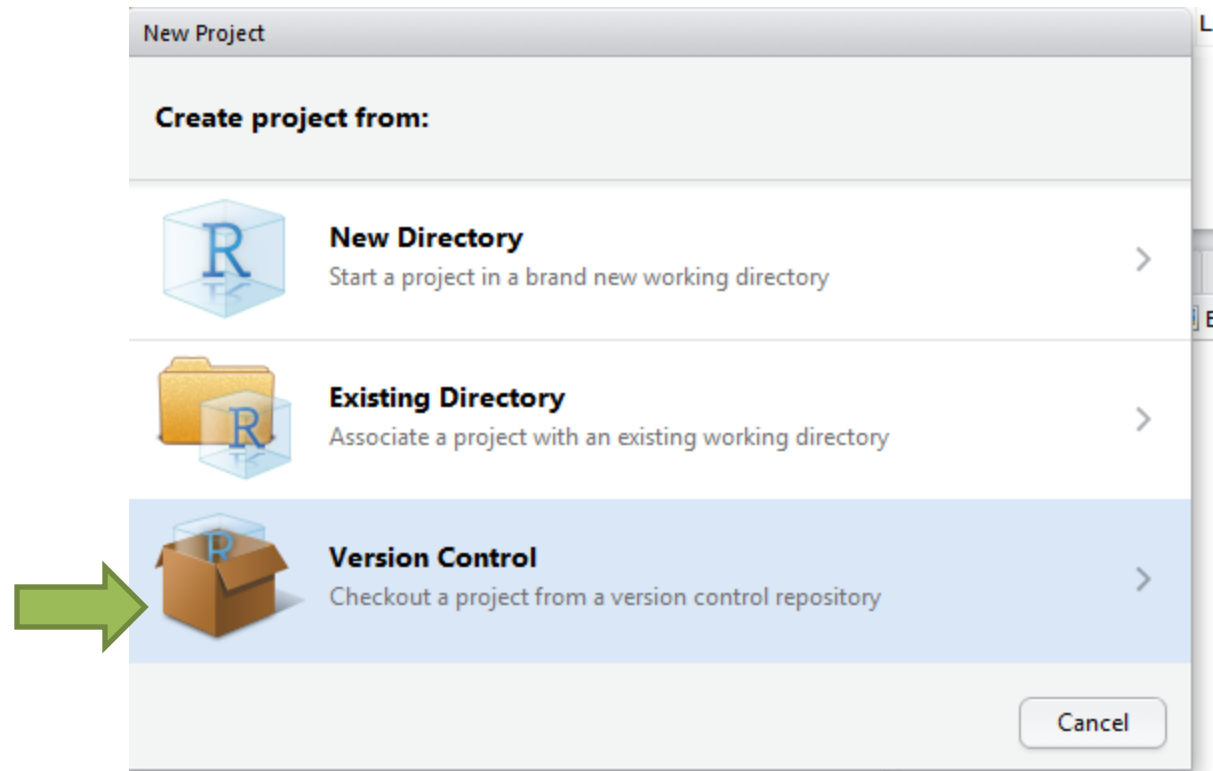
st of 9

help Viewer

port

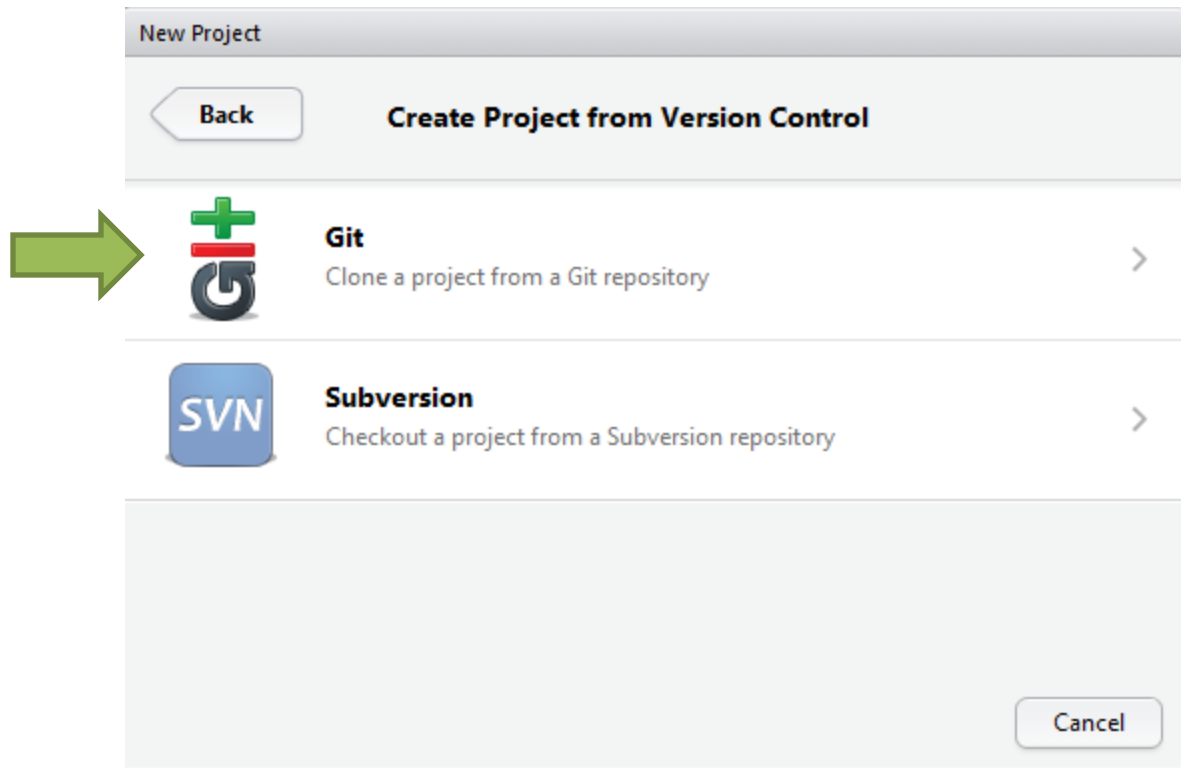
Step 3: Connect your project to remote repository

- Open a new project, in top menu:
File -> New Project → Version Control



Step 3: Connect your project to remote repository


- Open a new project, in top menu:
File -> New Project → Version Control→Git



You need your repository URL

New Project

[Back](#) **Clone Git Repository**



Repository URL:

Project directory name:

Create project as subdirectory of:
 [Browse...](#)

☐ Open in new window

[Create Project](#) [Cancel](#)

Go to your personal remote repository on github,
and copy the link on bottom right corner

The screenshot shows the GitHub interface for a repository named 'testRepository' by user 'aliceZhu'. At the top, there are buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (0). Below this is a 'Description' section with a text input field containing 'Short description of this repository' and a 'Website' section with a text input field containing 'Website for this repository (optional)'. A 'Save' button is next to the website field. Below these fields, a blue bar displays repository statistics: '4 commits', '1 branch', '0 releases', and '1 contributor'. A green button with a fork icon is followed by a dropdown menu showing 'branch: master' and a '+ testRepository / +' button. Below this is a commit history table with columns for file changes, commit message, and time ago. The first commit is by 'Jing Yun Zhu' 13 hours ago, with the latest commit hash '3d1a292e9e'. The table lists three files: 'README.md' (Initial commit, 7 days ago), 'sourceTreeTesting.R' (test github connection from Rstudio, 13 hours ago), and 'theFirstCommit.R' (add theFirstCommit.R script, 7 days ago). Below the table is a 'README.md' section with the title 'testRepository'. On the right side, there is a sidebar with links to 'Code', 'Issues' (0), 'Pull Requests' (0), 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom of the sidebar, there is a 'HTTPS clone URL' section with a green arrow pointing to the URL 'https://github.com/i' and a 'Clone in Desktop' button.

aliceZhu / testRepository

Unwatch 1 Star 0 Fork 0

Description Website

Short description of this repository Website for this repository (optional) Save or Cancel

4 commits 1 branch 0 releases 1 contributor

branch: master testRepository / +

File	Commit Message	Time Ago
README.md	Initial commit	7 days ago
sourceTreeTesting.R	test github connection from Rstudio	13 hours ago
theFirstCommit.R	add theFirstCommit.R script	7 days ago

testRepository

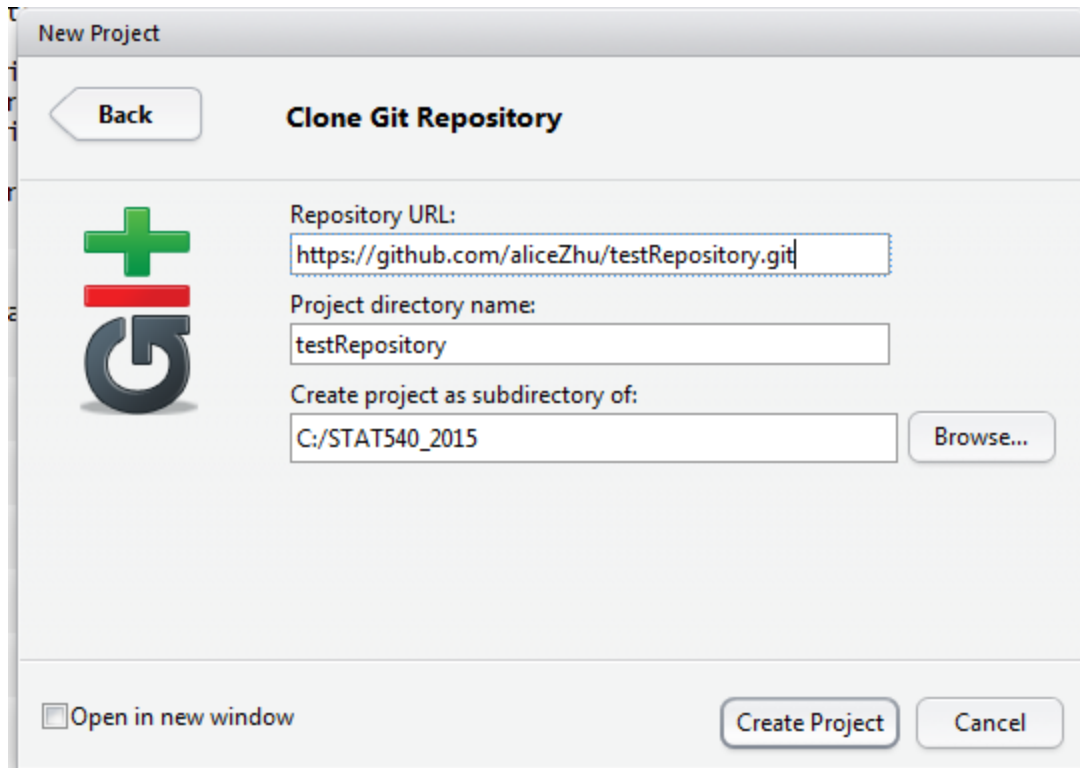
HTTPS clone URL

https://github.com/i

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

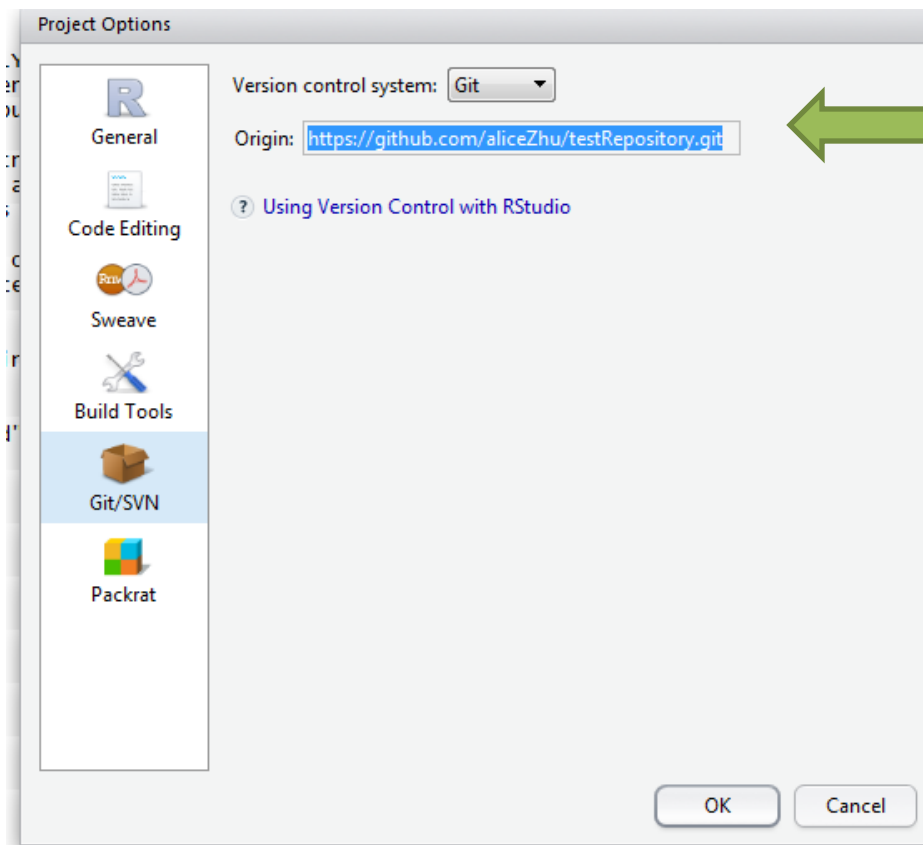
1. Paste the link to the previous popup panel, and now Rstudio knows where remote repository is located to do pull/push .
2. Then it will ask you for github name and password to establish the connection.
3. You also need to specify the path where your cloned project will be stored, i.e. your local repository will be created there. Your future “commits” will be reflected in this local repository
4. Create Project



Now your project is connected to your remote personal github repository

- You can confirm it at:

Tools → Project Options → Git/SVN



This link corresponds to where your personal git repository is located

Ready for commit, push/pull

- Now you can make changes in your local repository. You can commit your changes to your local repository, and push to/pull from the remote repository. These can be accessed from Tools/Version Control , or the Git panel (Right hand side)

