

How to connect Github with Rstudio For Mac

Alice Zhu

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 dmg files for Mac, choose Git version based on your Mac OS version:

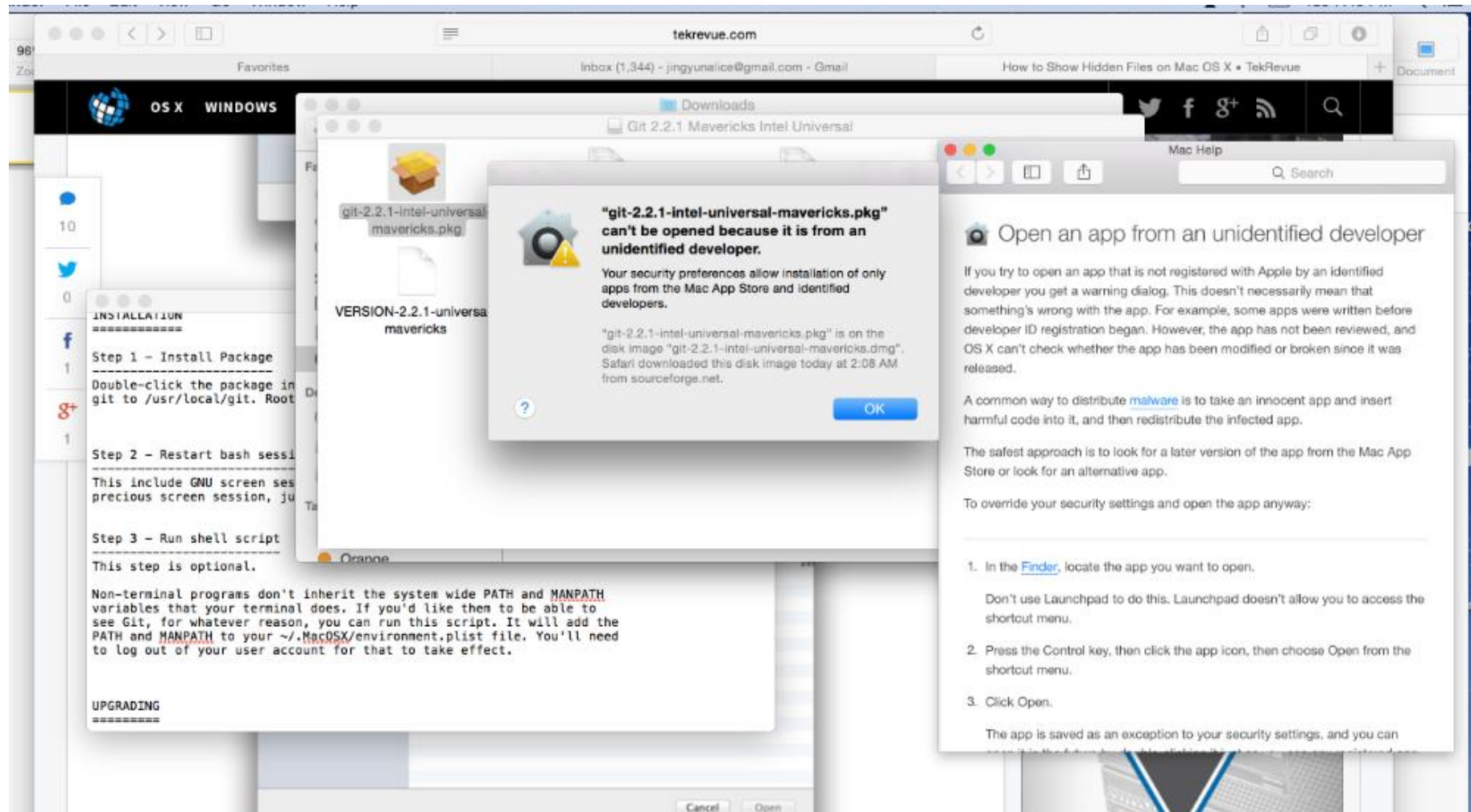
<http://sourceforge.net/projects/git-osx-installer/files/>

- (for instance, this version works fine on my OS X Yosemite):

[git-2.2.1-intel-universal-mavericks.dmg](#)

- Open this disk image file, double click the package to install (git-2.2.1-intel-universal-mavericks.pkg).
- git will be installed to /usr/local/git (This git file is probably hidden, use command-shift-[period] to see it).

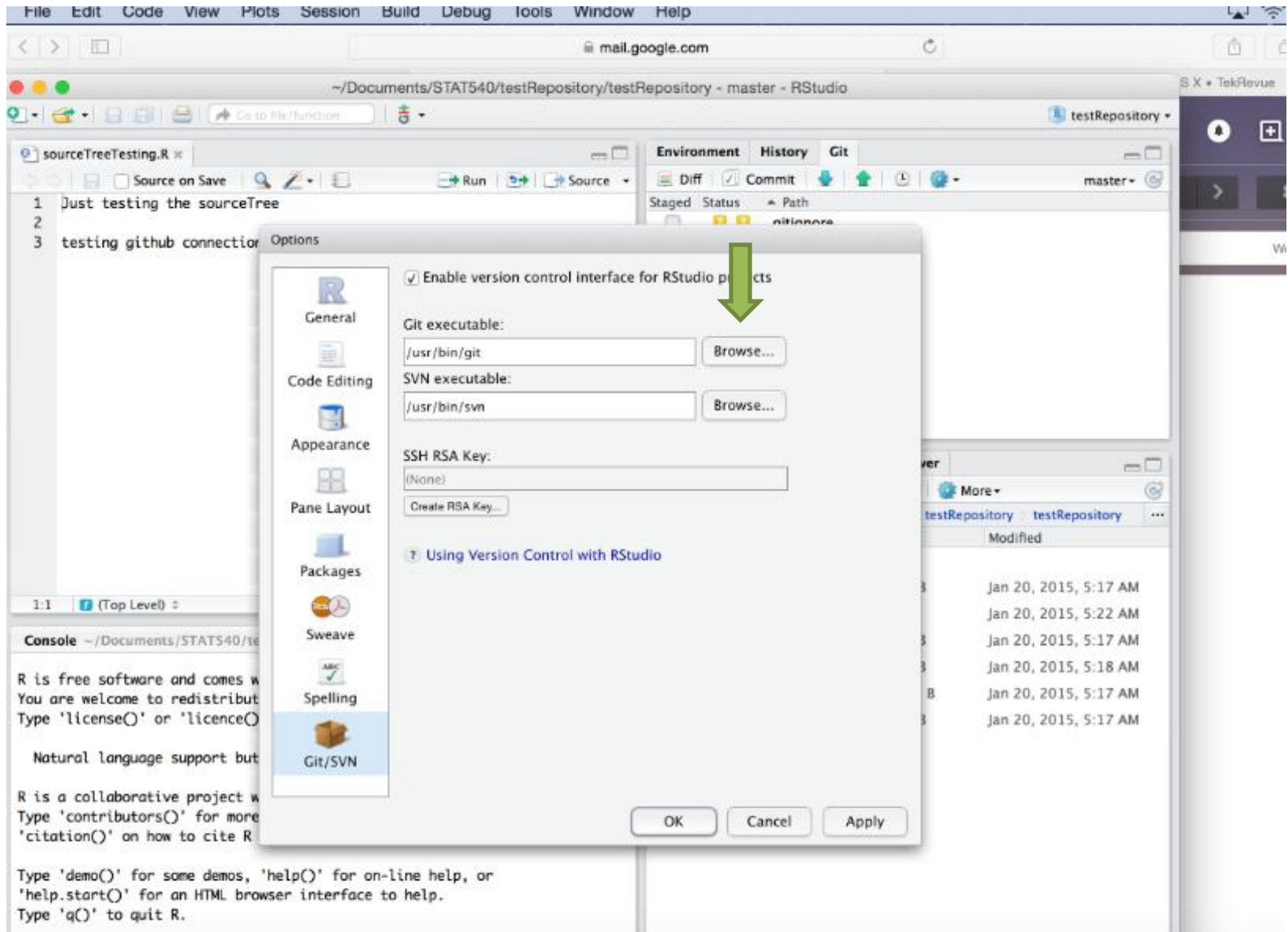
if needed, override the security permission:
control+click the pkg file, and choose Open



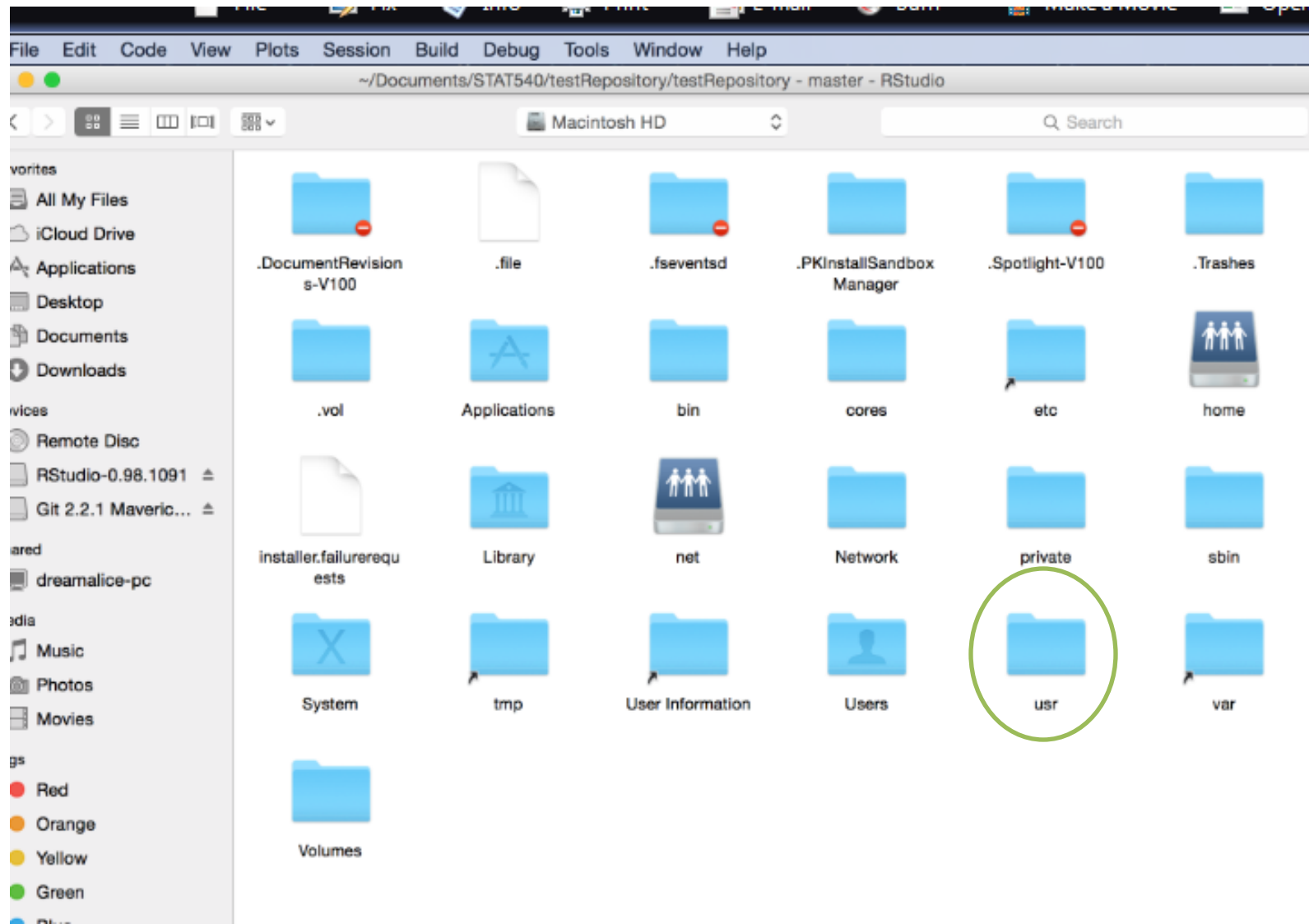
Step 2: connect Rstudio to Git

- 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 is stored, click OK. Close your Rstudio and restart to reinitialize everything.

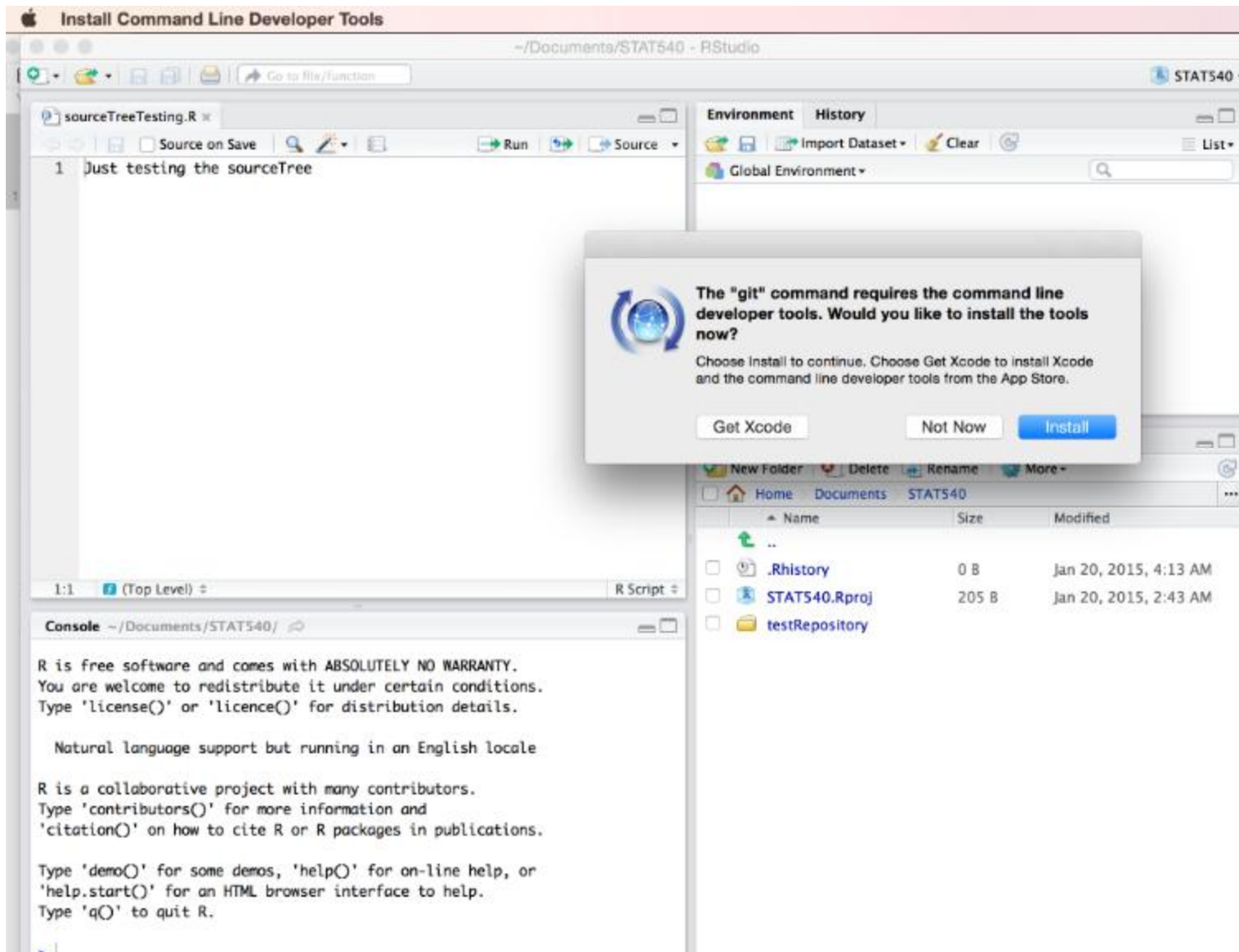
The git should be found at /usr/bin/git



While browsing for the git file, use command-shift-[period] to see hidden files and directories

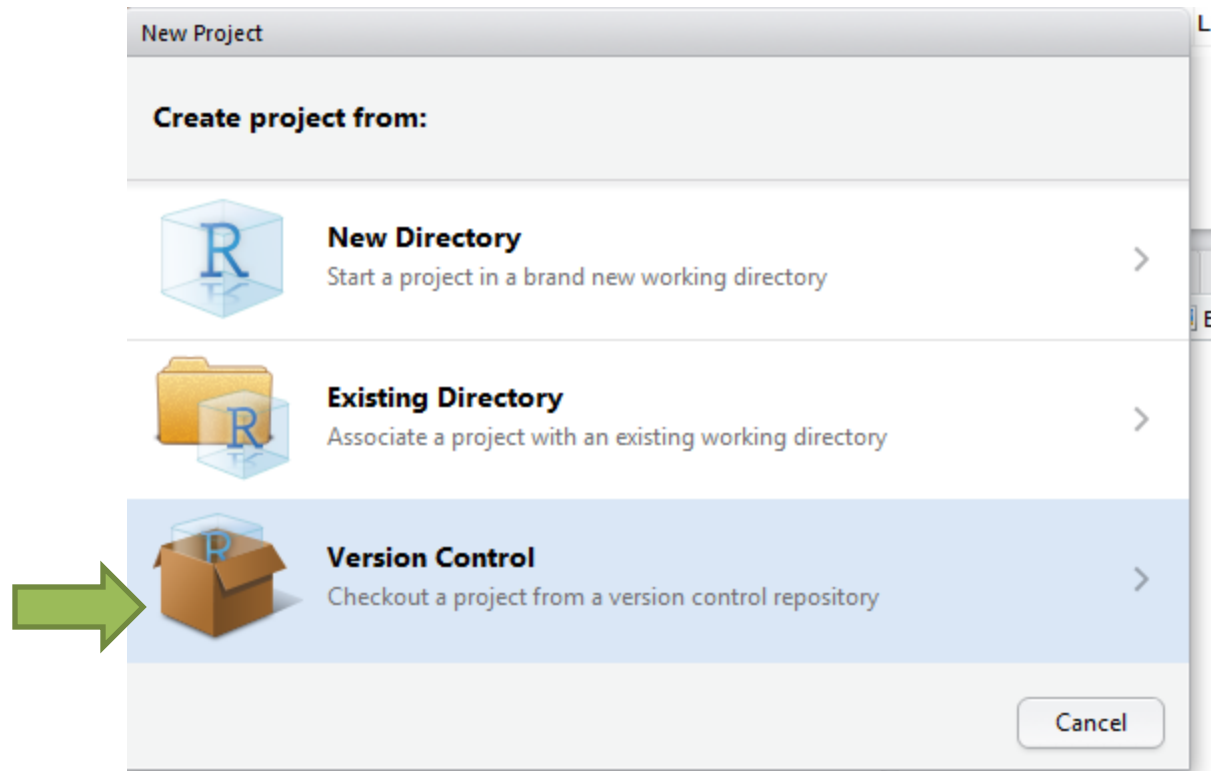


Once you restart Rstudio, Install the suggested tool



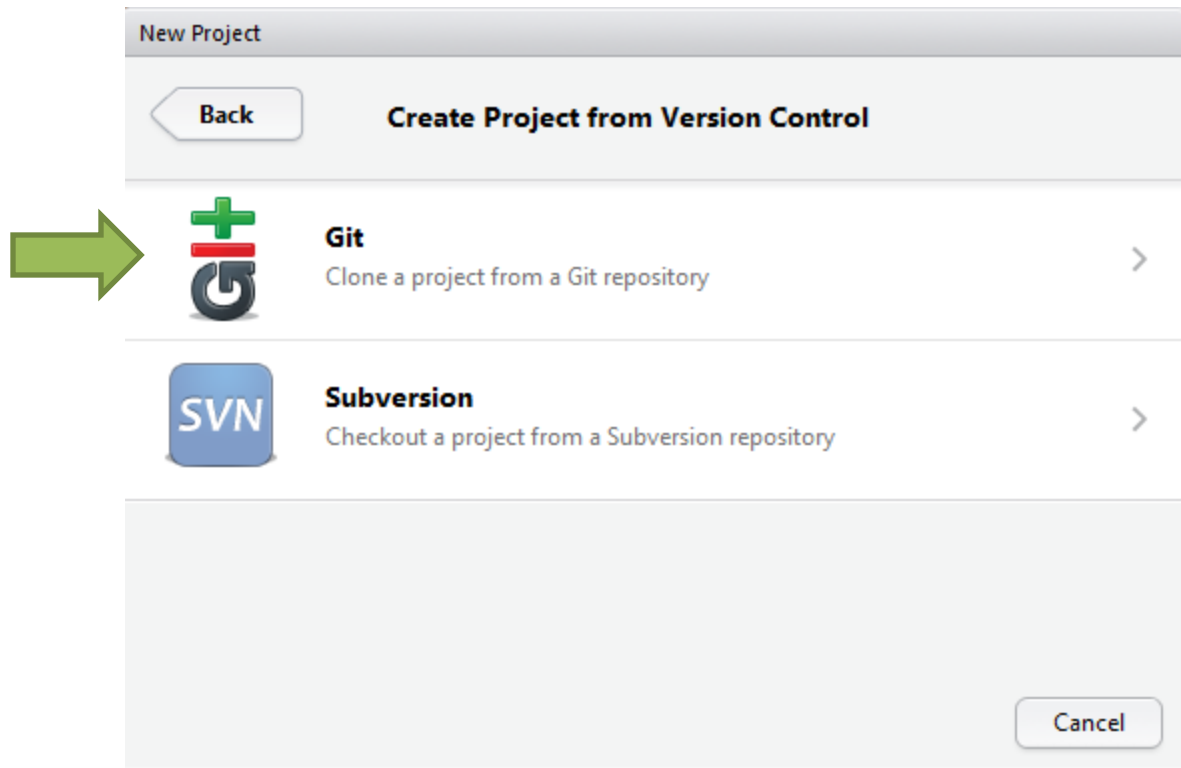
Step 3: Connect your project to remote repository

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

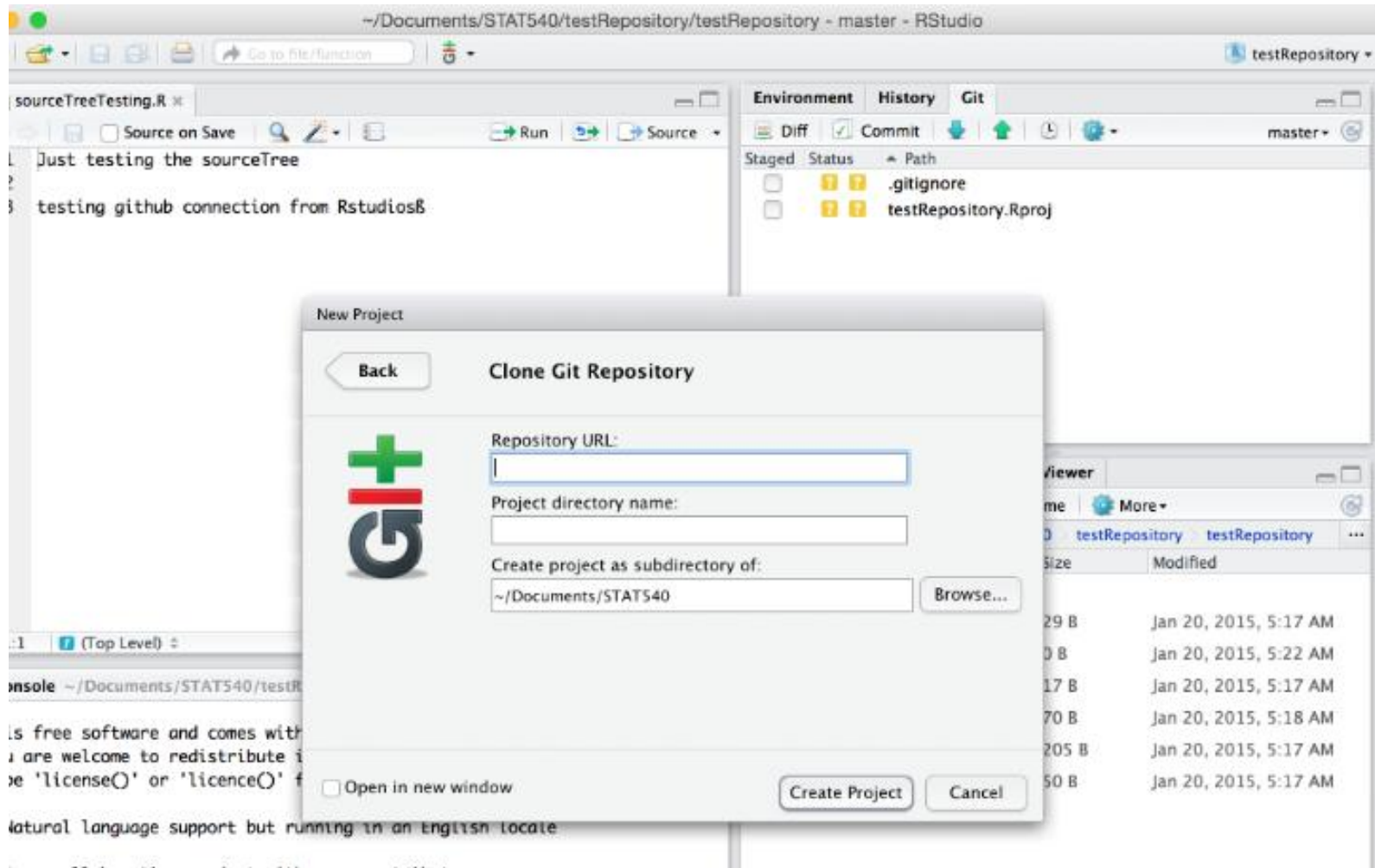


Step 3: Connect your project to remote repository

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



You need your repository URL



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'. Below the commit history 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 section for cloning the repository, showing the 'HTTPS clone URL' as 'https://github.com/i' and a button to copy the URL. A green arrow points down to this section. Below the URL, it says 'You can clone with HTTPS, SSH, or Subversion.' and a button to 'Clone in Desktop'.

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
test github connection from Rstudio	Jing Yun Zhu authored 13 hours ago	latest commit 3d1a292e9e
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

README.md

testRepository

testRepository

Issues 0 Pull Requests 0 Wiki

Pulse Graphs Settings

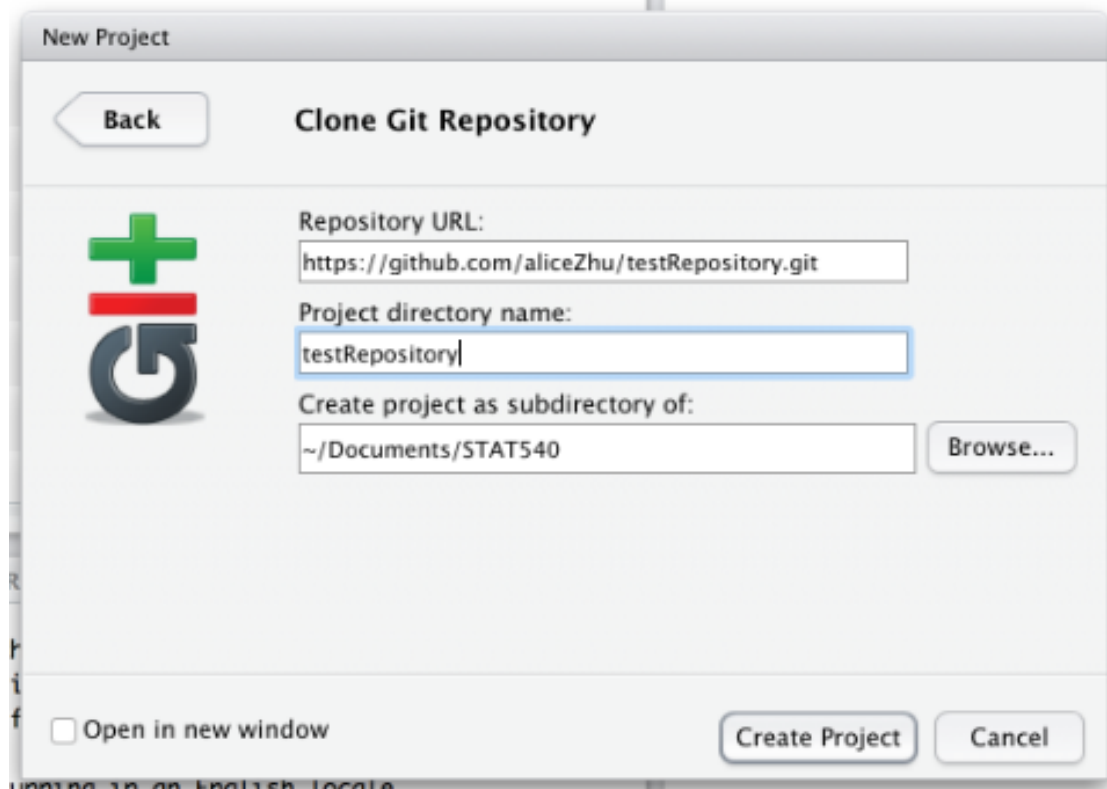
HTTPS clone URL

https://github.com/i

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

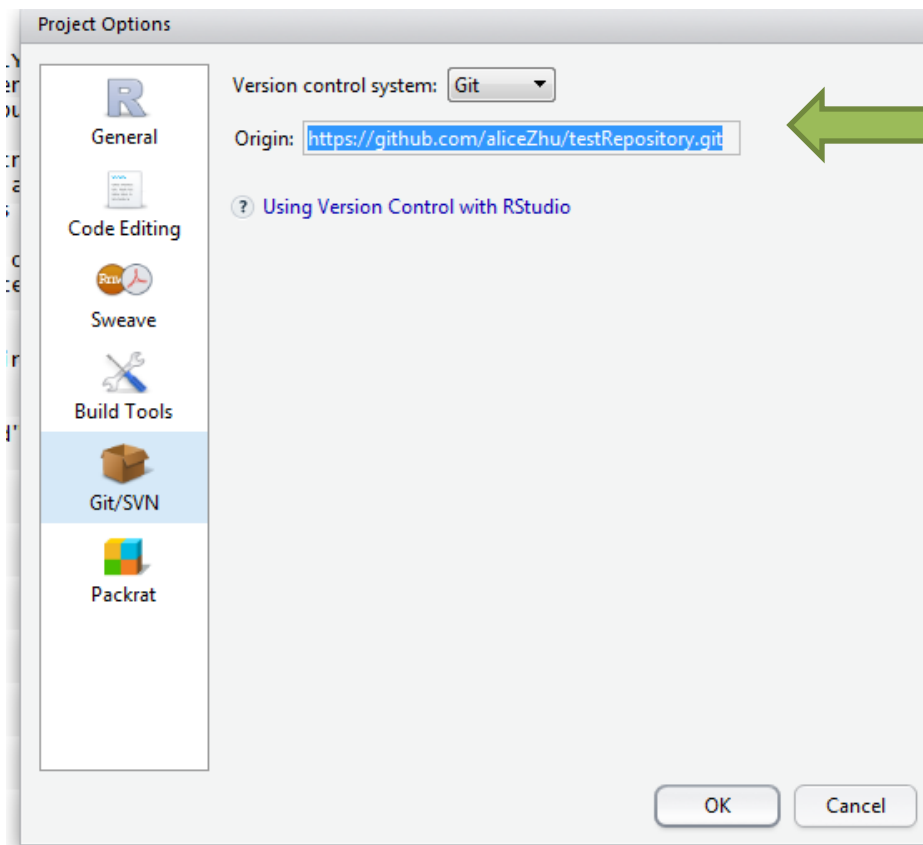
1. Paste the link to the previous popup panel, and now Rstudio knows where remote repository is located to do pull/push .
2. Then it will ask you for github name and password to establish the connection.
3. You also need to specify the path where your cloned project will be stored, i.e. your local repository 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:

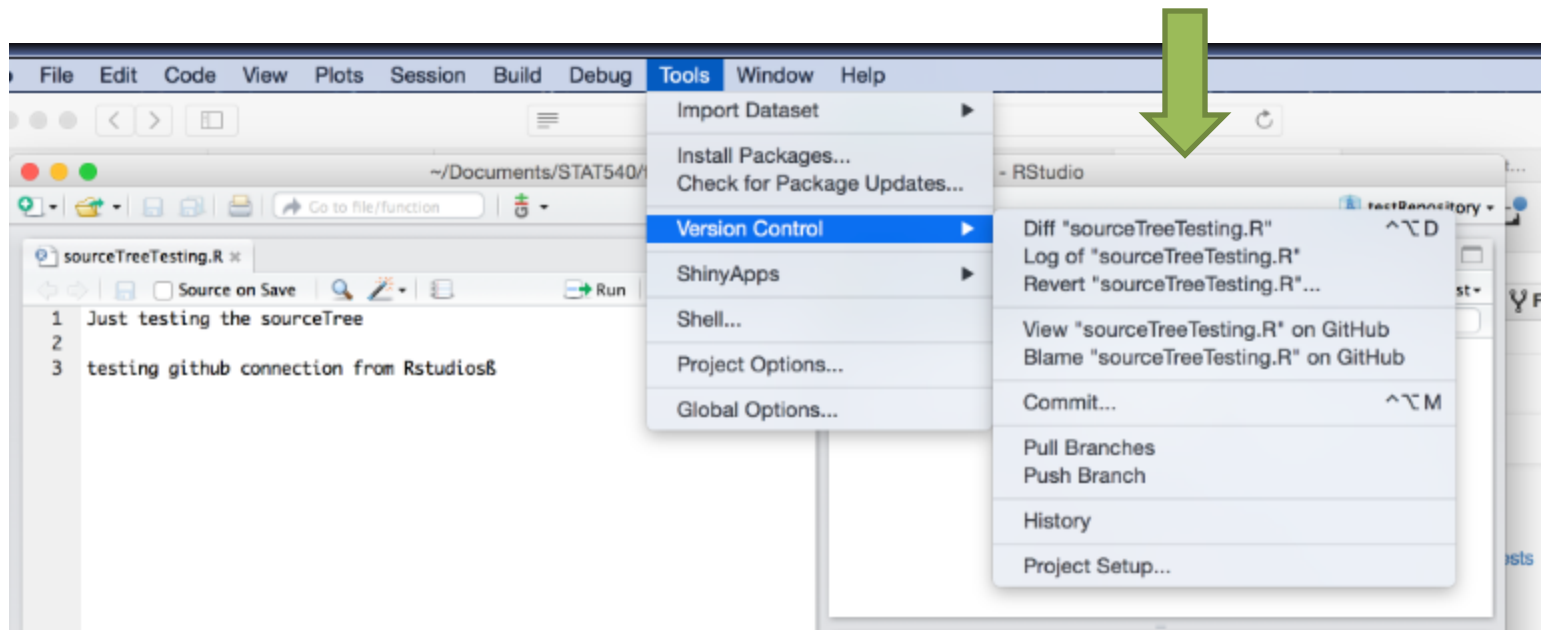
Tools → Project Options → Git/SVN



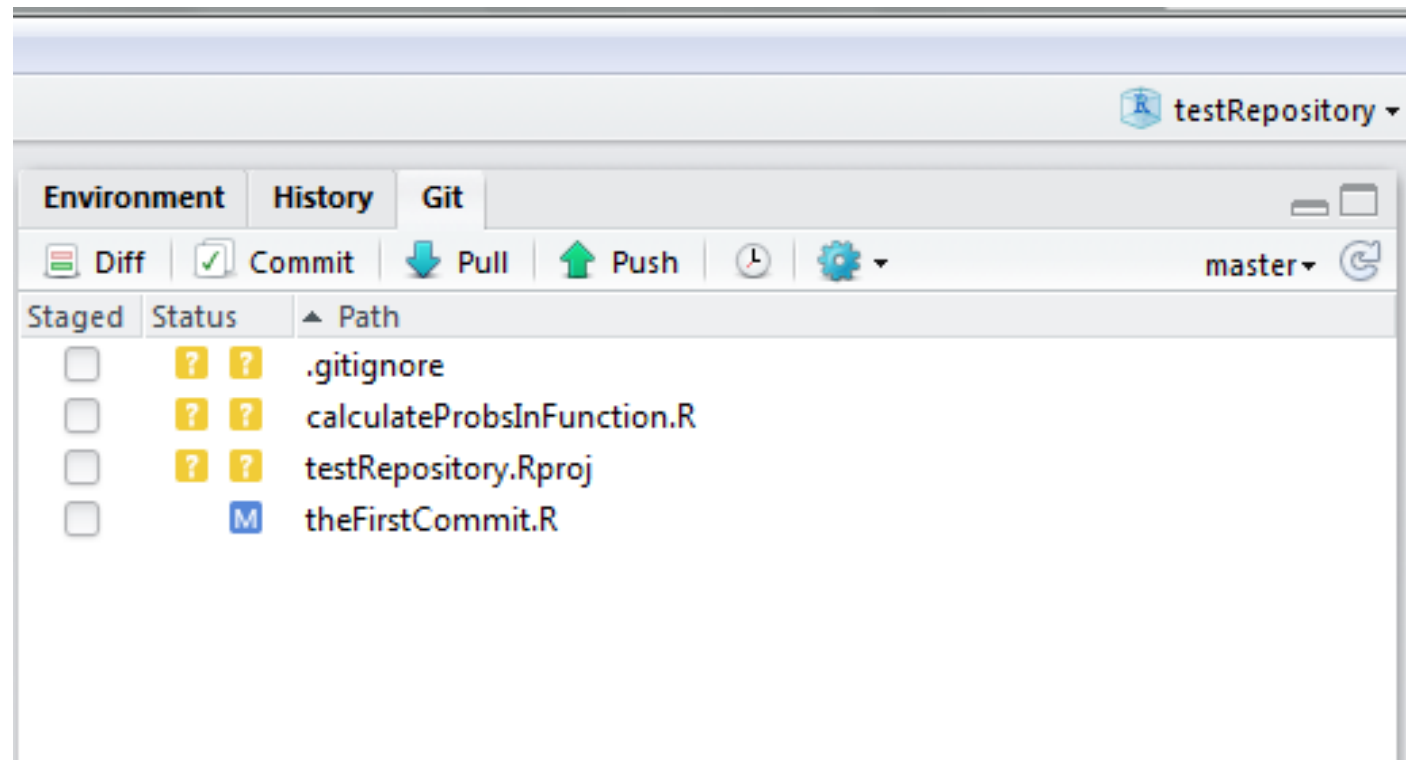
This link corresponds to where your personal git repository is located

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 assessed from Tools/Version Control



These can also be accessed from the Git panel (Right hand side)



If you don't like the built-in git function of R studio, you can always do the commit, push/pull directly via SourceTree, etc.

