How to connect Github with Rstudio For Mac

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

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

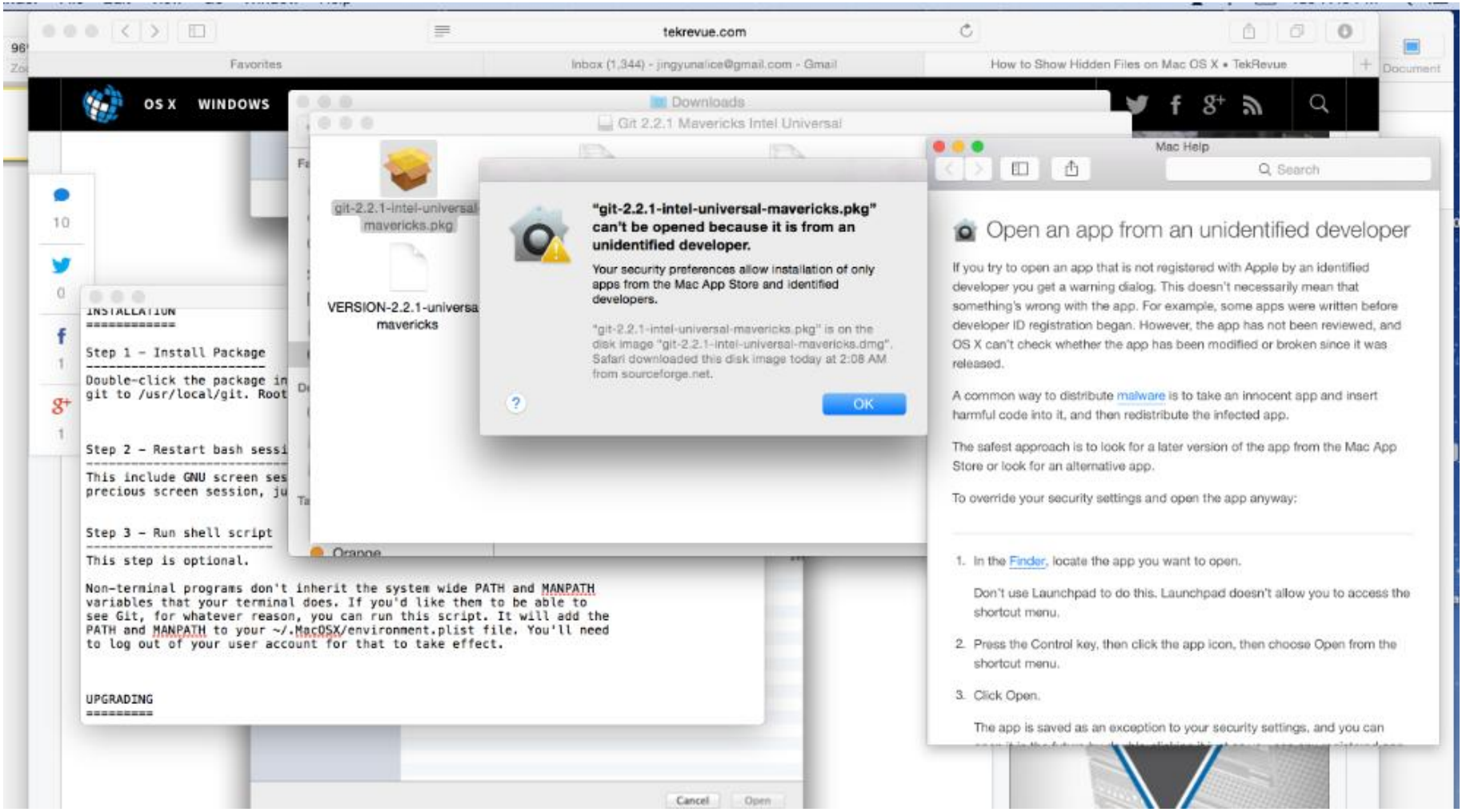
- (for instance, this version works fine on my OS X Yosemite):

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



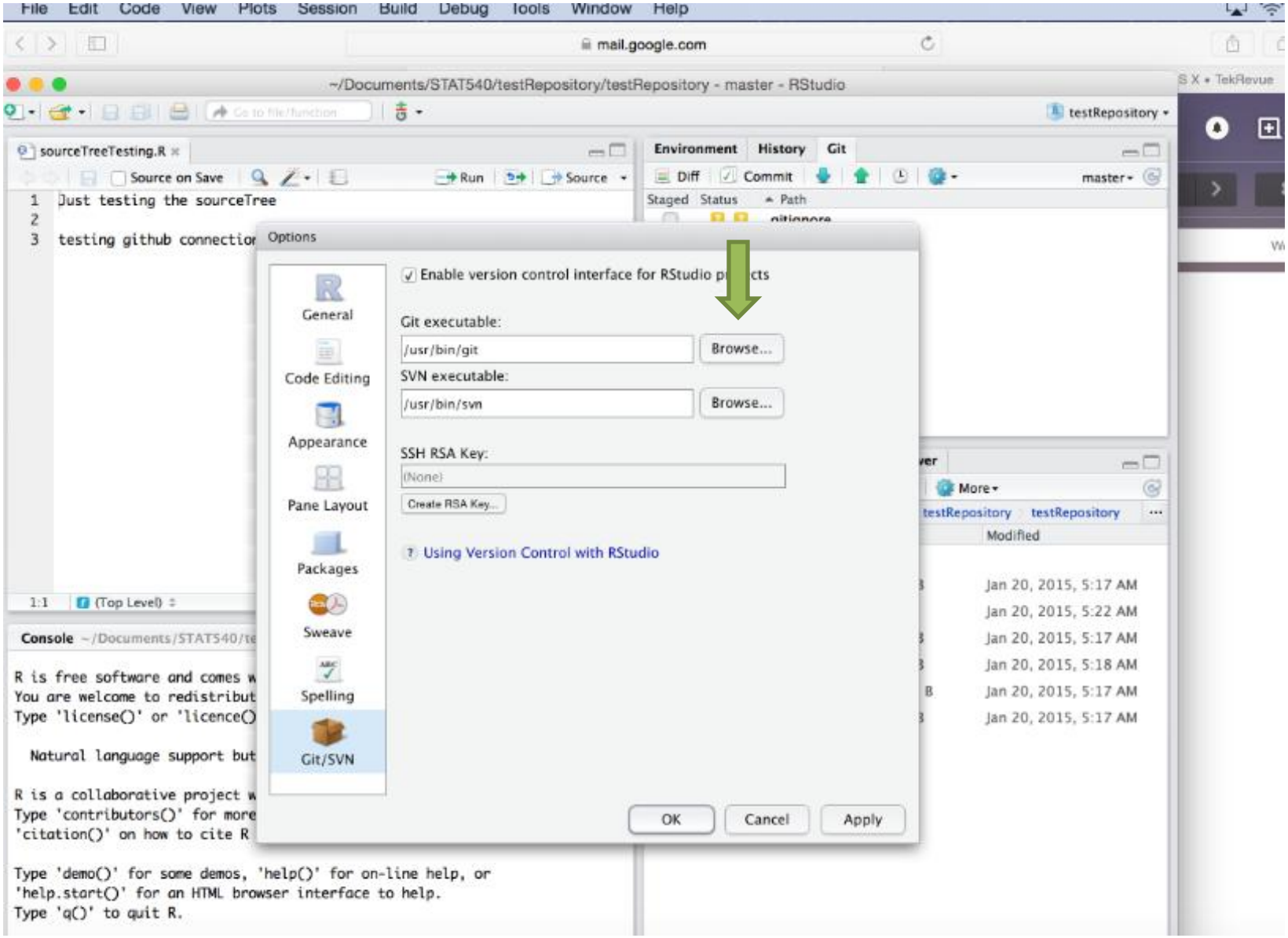
Step 2: connect Rstudio to Git

- In the top menu bar of Rstudio,
  click Tools → Global Options

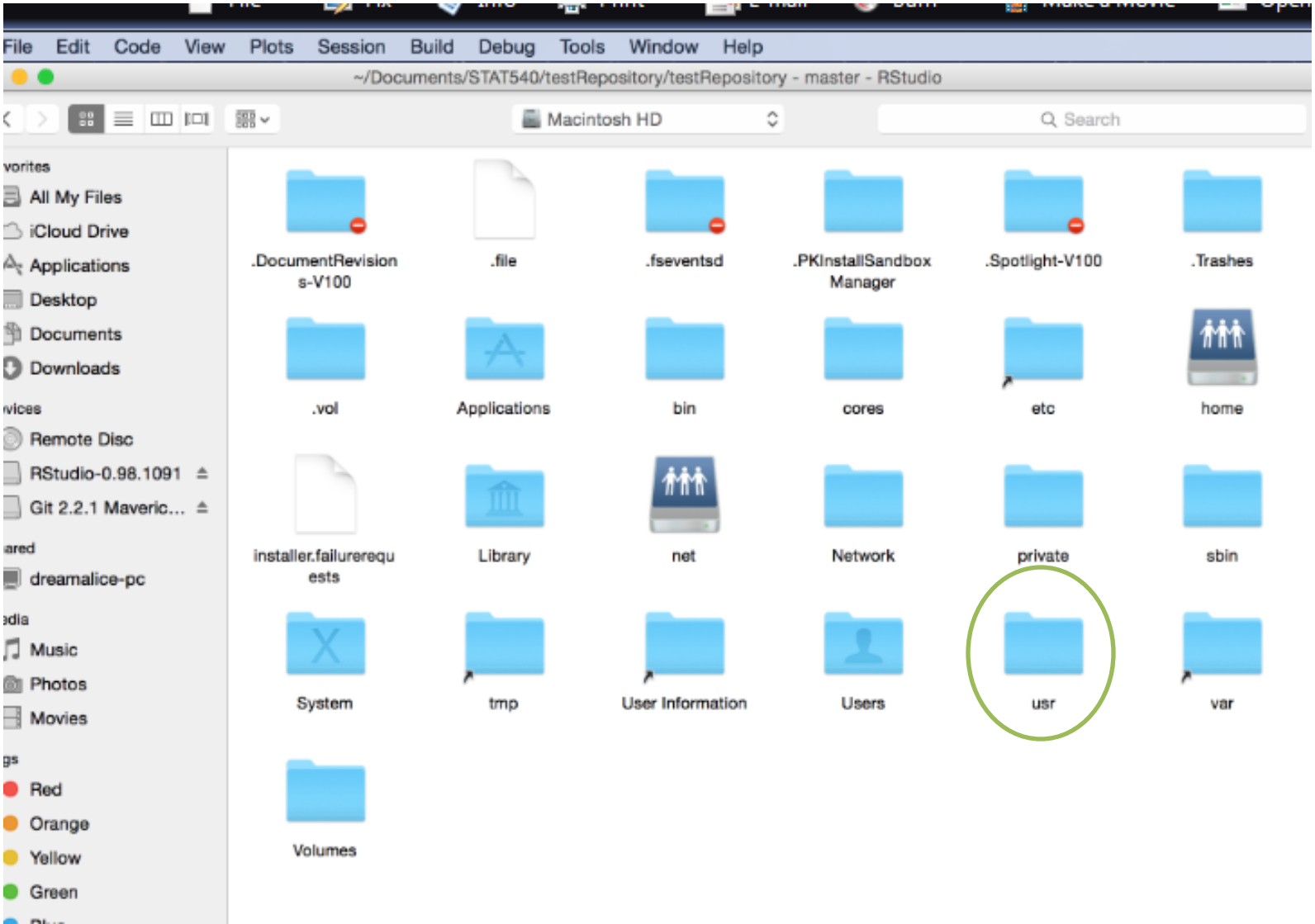
- In the popup Options panel,
  click Git/SVN in the menu bar(left column)

- 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.

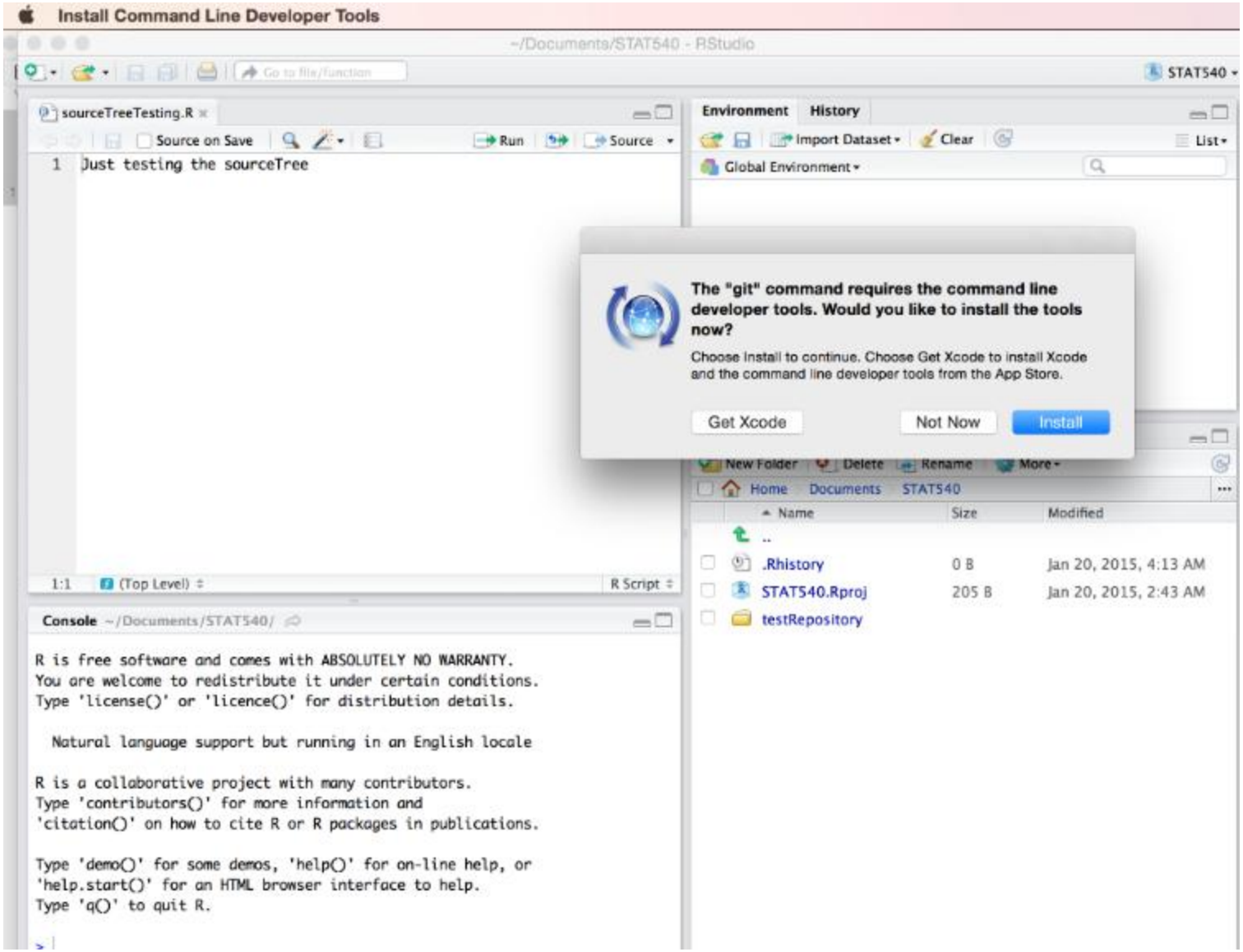
The git should be found at /usr/in/git



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



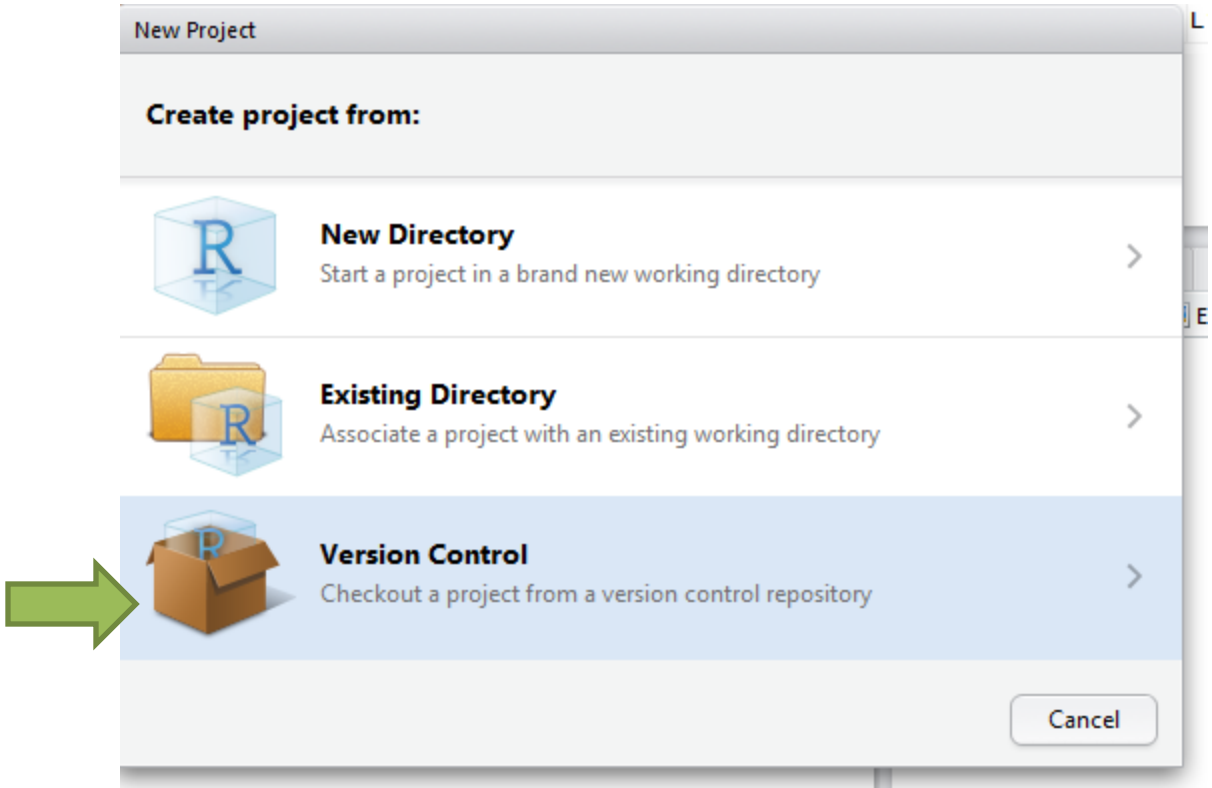
Once you restart Rstudio, Install the suggested tool



Step 3: Connect your project to remote repository

- Open a new project, in top menu:

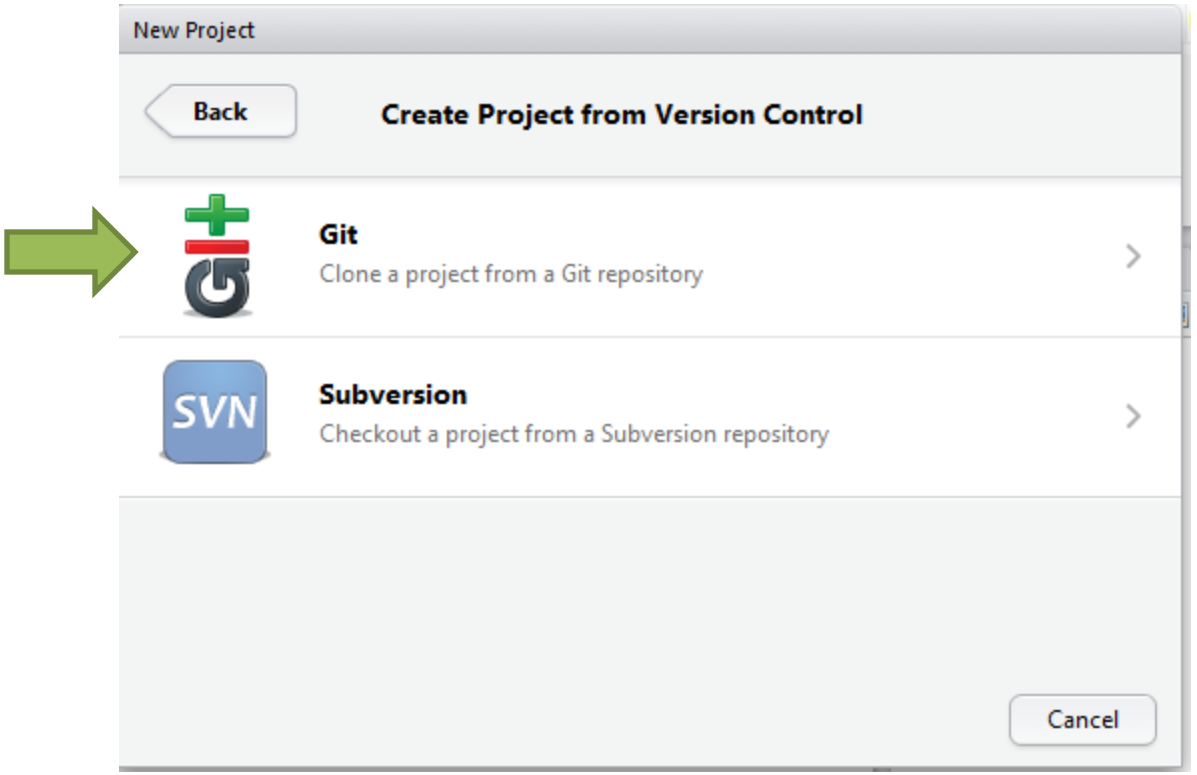
  File -> New Project → Version Control



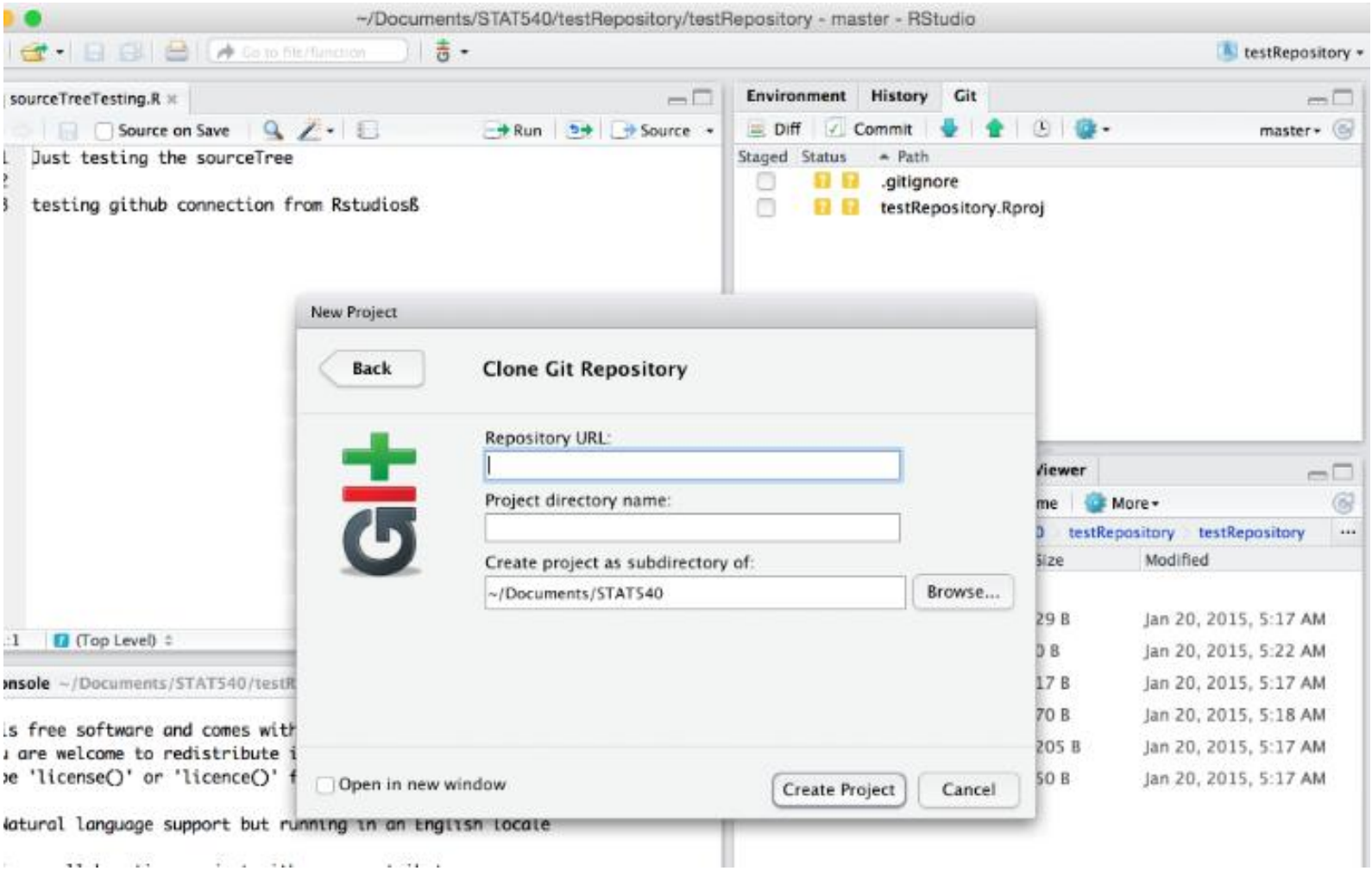
Step 3: Connect your project to remote repository

- Open a new project, in top menu:

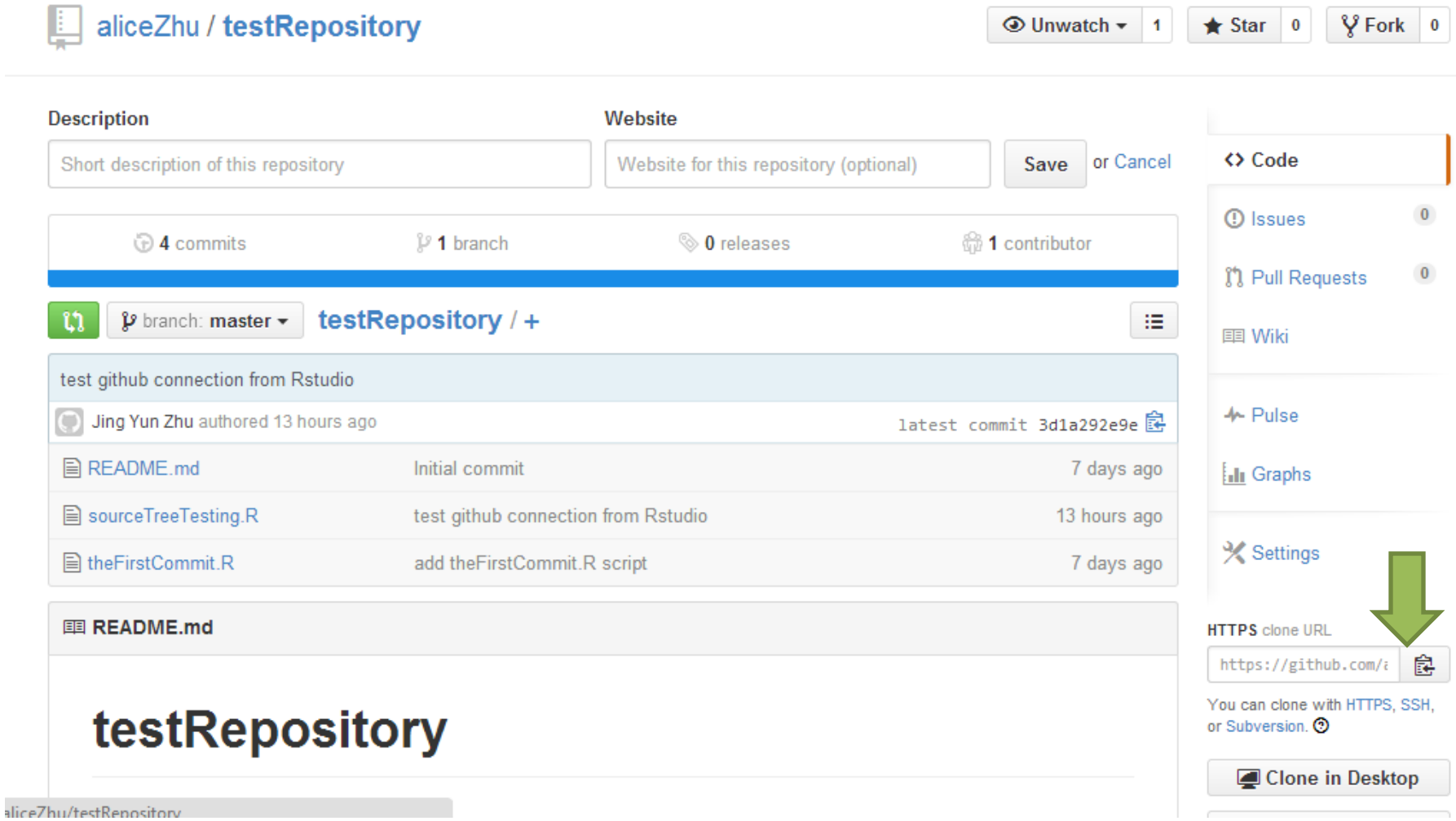
  File -> New Project → Version Control→Git



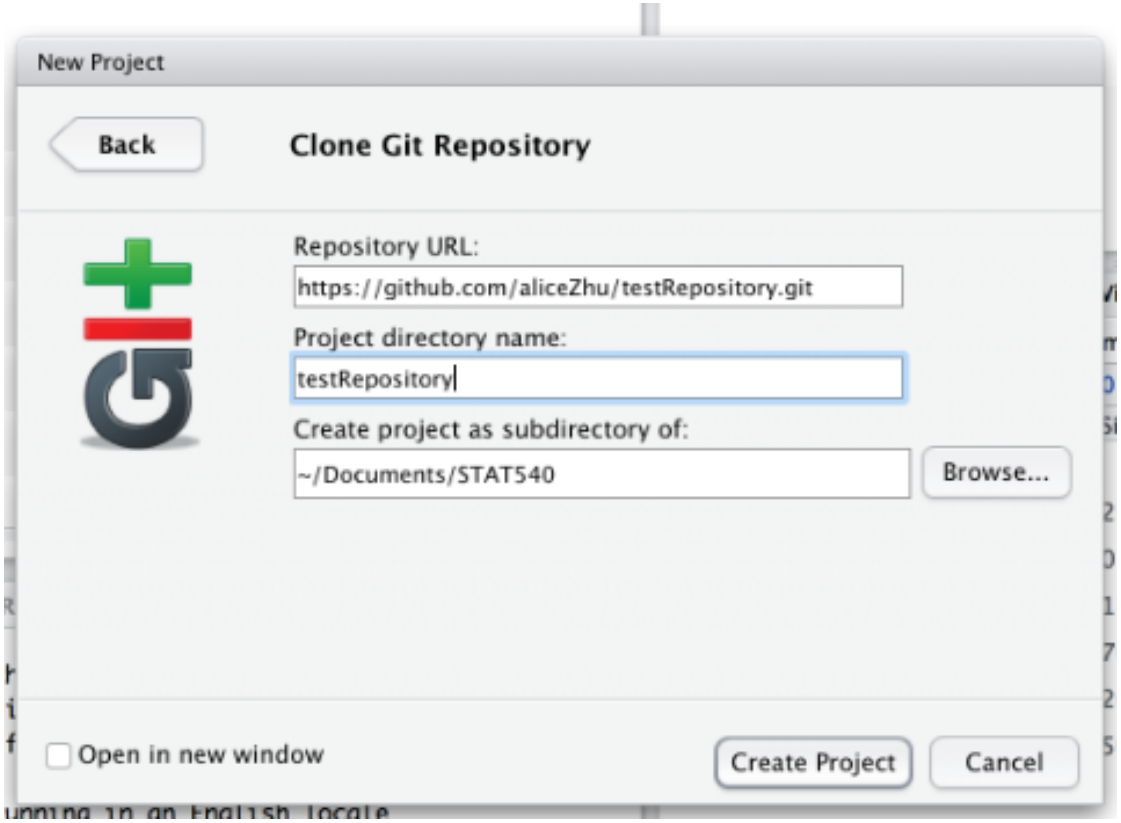
You need your repository URL



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



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.

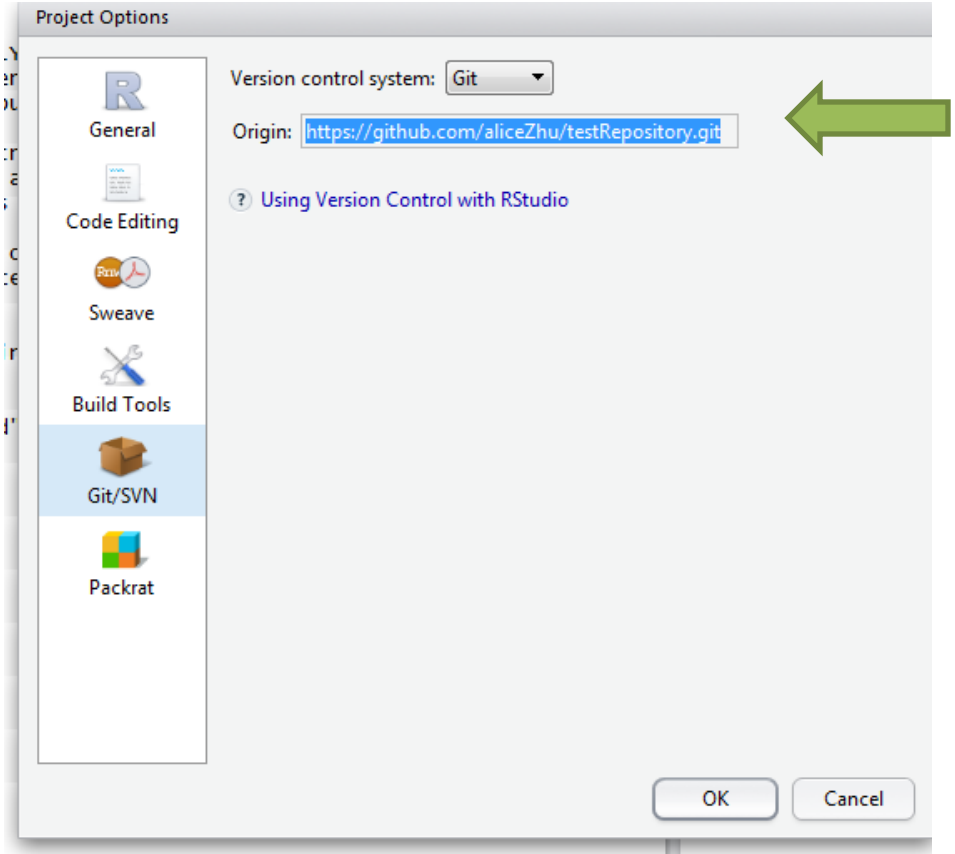


3. You also need to specify the path where your cloned project will be stored, i.e. your local repository will be created there. Your future “commits” will be reflected in this local repository
4. Create Project

Now your project is connected to your remote personal github repository

- You can confirm it at:

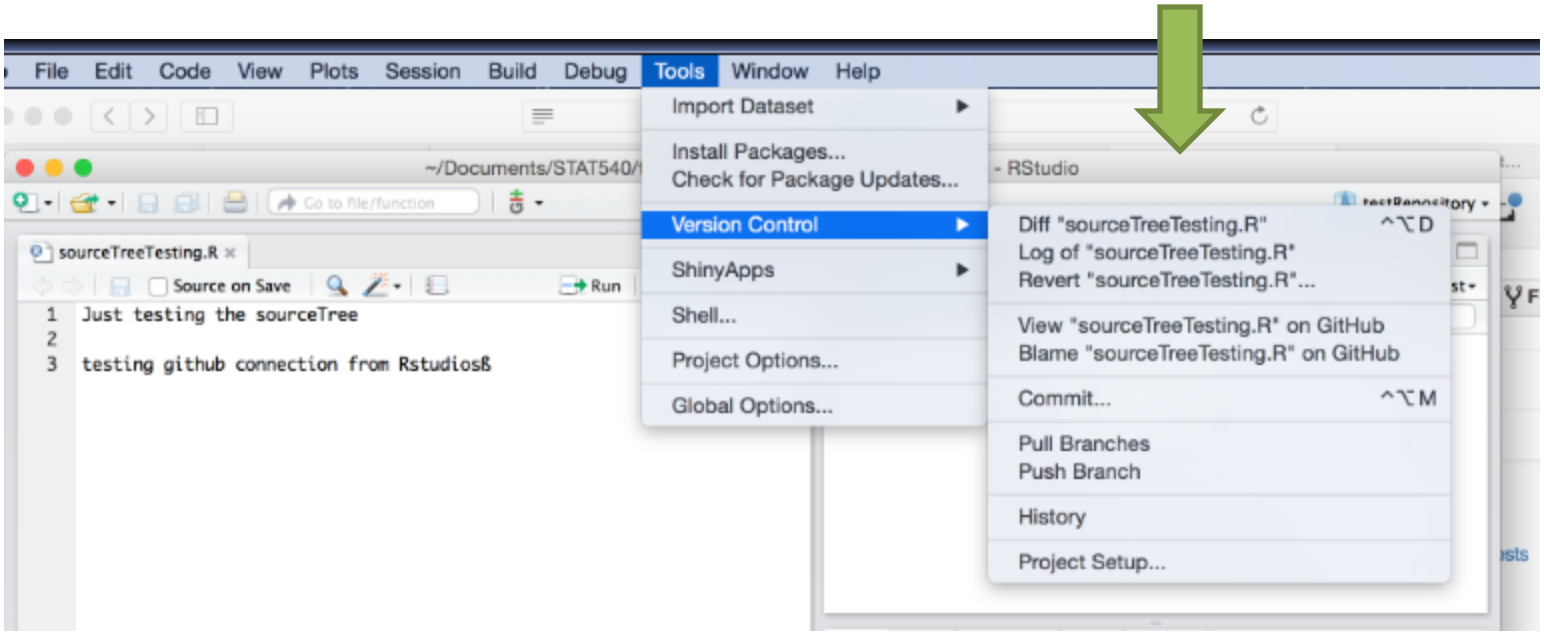
Tools → Project Options → Git/SVN



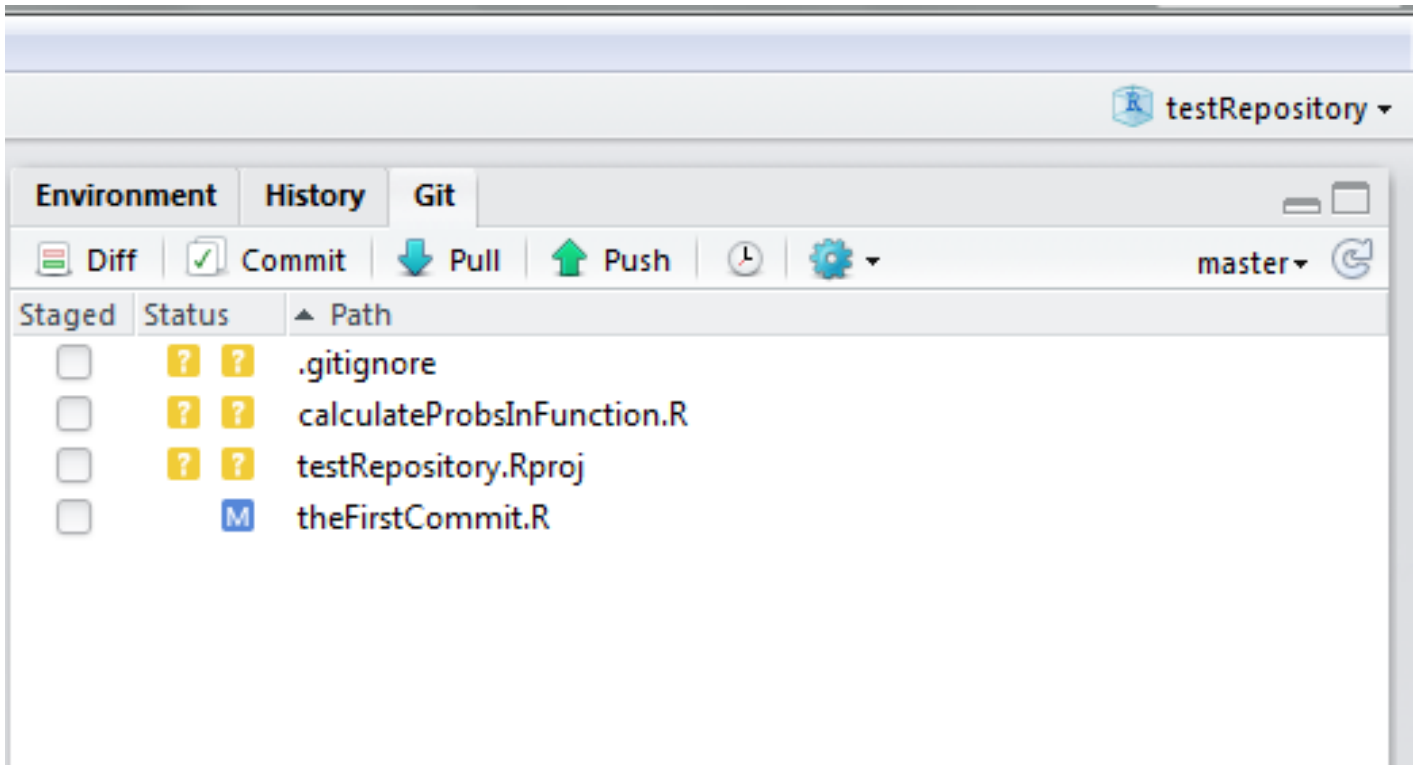
This link corresponds to where your personal git repository is located

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.