Git commands from Richard

Some guides

<http://www.kernel.org/pub/software/scm/git/docs/gittutorial.html>

<http://help.github.com/win-set-up-git/>

<https://sites.google.com/site/unmarkedinfo/home/developers>

Once git is installed and you have your github account set up, here are the most common commands. First you need to open up Git Bash (where you enter commands)

**Create a git repo from your github account (*e.g.,* unmarked)**

git clone git@github.com:yourAddressShownOnYourGithubPage

**Create a git repo (not connected to github) located at c:/metapop**

cd c:/metabook

git init

**Add a remote github account that you want to access**

git remote add rbc https://github.com/rbchan/unmarked.git

**Let git know that you added files to a folder (directory)**

git add .

**After making changes, commit them with a message**

git commit -a -m “edited such and such part of this and that”

**Push your changes to the master branch of your github repo (origin)**

git push origin master

**Pull changes from someone else’s git repo into your (merge them in)**

git pull rbc master

**Create a new branch (named testing) and go to it**

git checkout -b testing

**Create a new branch (feature1) that tracks a remote one (origin/master)**

git branch --track feature1 origin/master  
Branch feature1 set up to track remote branch refs/remotes/origin/master.

**Delete a remote branch**

git push remotename :branchname

**Delete a local branch**

git branch -d branchname

**Create a changelog between two tags (v0.8-6 and v0.8-7) and print to changelog.txt**

git log v0.8-6..v0.8-7 --pretty=oneline --full-history --simplify-merges > c:/r/changelog.txt

**Clone from a SVN repo**

git svn clone http://whatever

**BUILDING UNMARKED**

R CMD build unmarked

R CMD INSTALL unmarked\_0.9-1.tar.gz (or whatever version)

**TortoiseGIT**

1. Install git and follow all the instructions (SSH keygen stuff too):  
http://help.github.com/win-set-up-git/.  
2. Install TortoiseGIT (Henry did not unclick Putty, but it worked anyway)  
3. Convert the SSH key to a private putty key using puttygen. Open  
puttygen, open file id\_rsa in .ssh folder, then do "save as" private  
key. Let's say you call it "puttyprivate.ptk"  
4. In Windows Explorer, go to the place where you want to maintain the  
"scrbook" repo.  
5. Right-click somewhere in the folder and click on "GIT clone", then  
provide this address: git@github.com:jaroyle/scrbook.git. This will  
download the entire "scrbook" project from github onto your computer.  
6. Right-click on the newly-created folder called "scrbook" and click  
on TortoiseGIT>Settings>Git>Remote  
7. Choose "origin" and browse to the file "puttyprivate.ptk". Click OK  
and you are ready to go.