Git - Workflow for Homework

Once you have a GitHub account and have set up a local stat133 git repository you are ready to retrieve and turn in homework.

The general workflow will be:

* Open the Terminal application on Mac or Git Bash on Windows and navigate to your stat133 repository (see the page on Unix commands for help with this).
* Run the command git status, this will tell you whether your local repository and current HEAD commit have any differences.  If you have local files that have not been added and committed via git this is a good time to do that.
* Run the git pull command to retrieve the homework files.  You will get a message about what files have been added.
* If you do ls you will get a list of all directories/files in the repository.
* The homework files will be named hw1.R etc.  You can now switch to RStudio and open the file hw1.R.  You will write your code in this file and save it from within RStudio (do*not* rename this file).
* When you are done working for now, or ready to submit the homework, go back to Terminal or GitBash, make sure you are in the stat133 repository and run these commands:

1. git pull
2. cd assignments/hw1
3. git add hw1.R
4. git commit -m "a short informative message, e.g. *hw1 done*"
5. git push

* NOTE: It is a good idea to do a "push" (or rather "add, commit, push") everytime that you have worked on the homework, you do not have to wait until the deadline.  We will not look at work in progress and we will only do a "pull" to retrieve all the homework files shortly after the deadline, however to ensure that your repository is always up to date and that you don't loose any work you should frequently commit your work.
* NOTE: It is also a good idea to make sure that your .R file is always a valid R file (i.e. no half completed commands or random text in the file).

For videos on how to pull and push assignments and how to source your R code please go [here (链接到外部网站。)](https://www.youtube.com/channel/UCb-4js_jayEPguA-6TOvQSg" \t "_blank).

For more information on Git you can go to the github website, or look at a presentation on Git by Jarrod Millman posted here on this bCourses page under the Files tab.