

# Trying to “git” a clue

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Download and install the latest version of [Git](#).

If you have never used git before, you need to do some setup first. Run the following commands so that git knows your name and email. The third line adds pretty command line colors.

```
git config --global user.name "Your Name"
git config --global user.email "your_email@whatever.com"
git config --global color.ui true
```

Check the current status of your repository:

```
git status

# On branch master
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#   modified:   GIT_LAB1.html
#   modified:   GIT_LAB1.md
#
no changes added to commit (use "git add" and/or "git commit -a")
```

Next all files are added to the staging area and a snapshot is taken of the commit with the message “staging all files”.

```
git add .
git commit -m "staging all files"
```

```
[master d66d40e] staging all files
 2 files changed, 69 insertions(+), 27 deletions(-)
```

Check the status after the last commit.

```
git status

# On branch master
# Your branch is ahead of 'origin/master' by 1 commit.
#
nothing to commit (working directory clean)
```

Push changes to the remote repository.

```
git push
```

See if there is anything left to do.

```
git status
```

```
# On branch master
nothing to commit (working directory clean)
```

Show the last three commits with

```
git log -3
```

```
commit d66d40e56caa2005a477212136e7be902ebd64c7
Author: Alan Arnholt <arnholtat@appstate.edu>
Date:   Thu Jan 9 13:59:44 2014 -0500
```

```
    staging all files
```

```
commit dd98df02edaf91e15555f47b6c3c4b65a6285c80
Author: Alan Arnholt <arnholtat@appstate.edu>
Date:   Thu Jan 9 13:59:37 2014 -0500
```

```
    staging all files
```

```
commit fd942da70649c0523132338065879f525d738c9b
Author: Alan Arnholt <arnholtat@appstate.edu>
Date:   Thu Jan 9 13:58:20 2014 -0500
```

```
    staging all files
```

Now, just to show how cool this is, we will mix in a little R.

```
library(ggplot2)
ggplot(data = C02, aes(x = Type, y = uptake)) + geom_boxplot()
```

