

Your first time with git and github

If you've never used git or github before, there are a bunch of things that you need to do. It's very well explained on github (<https://help.github.com/articles/set-up-git>), but repeated here for completeness.

- Get a github (<https://github.com>) account.
- Download and install git (<https://git-scm.com/downloads>).
- Set up git with your user name and email.
 - Open a terminal/shell and type:

```
$ git config --global user.name "Your name here"
$ git config --global user.email "your_email@example.com"
```

(Don't type the \$; that just indicates that you're doing this at the command line.)

I also do:

```
$ git config --global color.ui true
$ git config --global core.editor emacs
```

The first of these will enable colored output in the terminal; the second tells git that you want to use emacs.

- Set up ssh on your computer. I like Roger Peng (<http://www.biostat.jhsph.edu/~rpeng>)'s guide to setting up password-less logins (<http://www.biostat.jhsph.edu/bit/nopassword.html>). Also see github's guide to generating SSH keys (<https://help.github.com/articles/generating-ssh-keys>).
 - Look to see if you have files `~/.ssh/id_rsa` and `~/.ssh/id_rsa.pub`.
 - If not, create such public/private keys: Open a terminal/shell and type:

```
$ ssh-keygen -t rsa -C "your_email@example.com"
```

- Copy your public key (the contents of the newly-created `id_rsa.pub` file) into your clipboard. **On a Mac**, in the terminal/shell, type:

```
$ pbcopy < ~/.ssh/id_rsa.pub
```

- Paste your ssh public key into your github account settings.
 - Go to your github Account Settings (<https://github.com/settings/profile>)
 - Click "SSH Keys (<https://github.com/settings/ssh>)" on the left.
 - Click "Add SSH Key" on the right.
 - Add a label (like "My laptop") and paste the public key into the big text box.
 - In a terminal/shell, type the following to test it:

```
$ ssh -T git@github.com
```

- If it says something like the following, it worked:

```
Hi username! You've successfully authenticated, but Github does
not provide shell access.
```

Next: Typical use (routine.html)



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