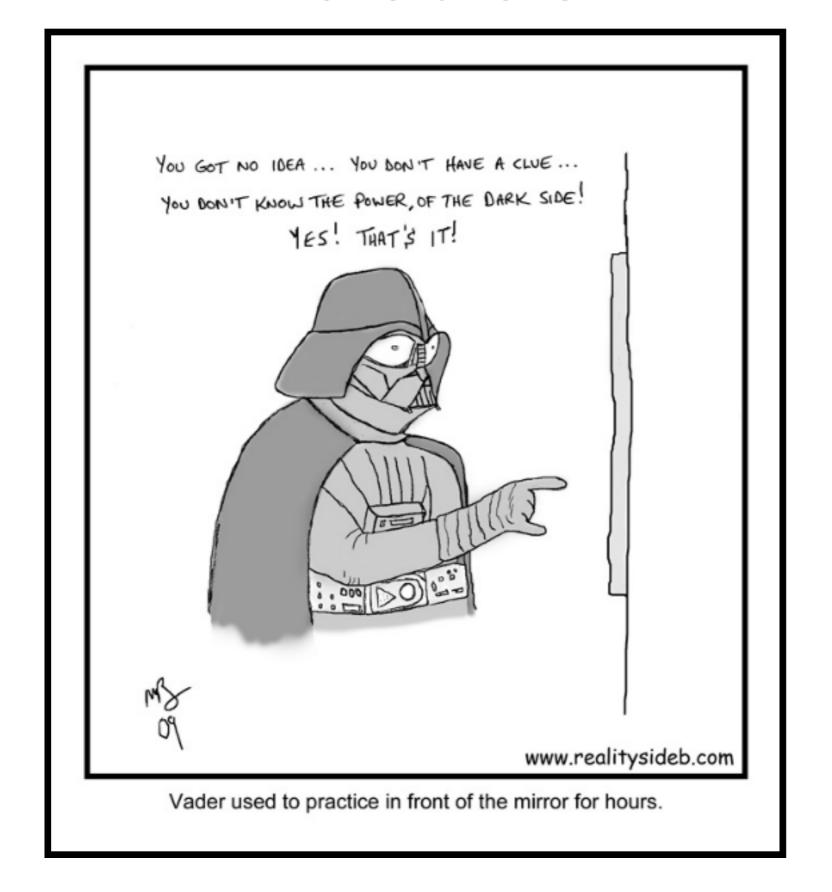
What Now? (Continued Learning)

Brittany N. Lasseigne, PhD
HudsonAlpha Intstitute for Biotechnology
4 June 2018

@bnlasse <u>blasseigne@hudsonalpha.org</u>

Practice!



 Always let the interesting biological questions lead the way

- Always let the interesting biological questions lead the way
- Learn the programming and math needed to attack those interesting biological problems

- Always let the interesting biological questions lead the way
- Learn the programming and math needed to attack those interesting biological problems
- Don't get too distracted from your main project

Side-project











Carpentry Lessons:

 Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html

- Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html
- Performing the same action on many files: http:// swcarpentry.github.io/shell-novice/05-loop/index.html

- Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html
- Performing the same action on many files: http:// swcarpentry.github.io/shell-novice/05-loop/index.html
- Need to save and reuse shell commands: http://swcarpentry.github.io/shell-novice/06-script/index.html

- Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html
- Performing the same action on many files: http:// swcarpentry.github.io/shell-novice/05-loop/index.html
- Need to save and reuse shell commands: http://swcarpentry.github.io/shell-novice/06-script/index.html
- Codecademy 'Learn the Command Line' tutorial

- Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html
- Performing the same action on many files: http:// swcarpentry.github.io/shell-novice/05-loop/index.html
- Need to save and reuse shell commands: http://swcarpentry.github.io/shell-novice/06-script/index.html
- Codecademy 'Learn the Command Line' tutorial
- linuxcommand.org

- Combining existing shell commands: http:// swcarpentry.github.io/shell-novice/04-pipefilter/index.html
- Performing the same action on many files: http:// swcarpentry.github.io/shell-novice/05-loop/index.html
- Need to save and reuse shell commands: http://swcarpentry.github.io/shell-novice/06-script/index.html
- Codecademy 'Learn the Command Line' tutorial
- <u>linuxcommand.org</u>
- coursera.org 'The Unix Workbench' (Johns Hopkins) course

Carpentry Lessons:

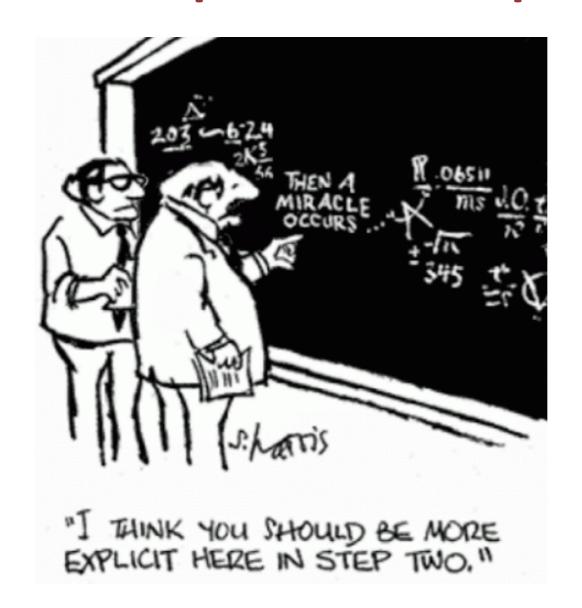
 More practice with the inflammation data set used during bootcamp: http://swcarpentry.github.io/r-noviceinflammation/

- More practice with the inflammation data set used during bootcamp: http://swcarpentry.github.io/r-noviceinflammation/
- R programming for reproducible scientific analysis: http://swcarpentry.github.io/r-novice-gapminder/

- More practice with the inflammation data set used during bootcamp: http://swcarpentry.github.io/r-noviceinflammation/
- R programming for reproducible scientific analysis: http://swcarpentry.github.io/r-novice-gapminder/
- Datacamp 'Introduction to R' free course

- More practice with the inflammation data set used during bootcamp: http://swcarpentry.github.io/r-noviceinflammation/
- R programming for reproducible scientific analysis: http://swcarpentry.github.io/r-novice-gapminder/
- Datacamp 'Introduction to R' free course
- <u>coursera.org</u> has many great R courses (particularly those by Duke and Johns Hopkins) covering beginner programming, statistics, data science (including machine learning), and software development

Thanks! Slides available at https://www.lasseigne.org/post/2018-06-04-biotraincompbioworkshop2018/



Brittany N. Lasseigne, PhD

@bnlasse <u>blasseigne@hudsonalpha.org</u>