Final Thoughts

Goal of SWC

Software Carpentry's aim is to teach researchers (usually graduate students) basic computing concepts and skills so that they can get more done in less time, and with less pain.

Review: Day 1

- Shell: connect the command line to visual file system
- Version control
  - tool: git
  - Theme: how do I keep a record of my work
- Scripting best practices:
  - tool: Python
  - Big picture:
    - functions = paragraphs
    - readability
      - clear variable and function names
      - doc strings
      - comments as needed

Review: Day 2

- Testing:
  - Tool: nosetests
  - Theme: test your code
- Databases:
  - Tool: sqllite firefox plug in
  - Theme: Databases are a fast, efficient way to store and access large quantities of data

Additional resources:

Software carpentry web site:

http://software-carpentry.org/index.html

Online office hours:

http://software-carpentry.org/bootcamps/office-hours.html

Form a group to discuss cool discoveries/ current problems on a regular basis. This also serves as a good help mailing list.

Stack Overflow, google, online documentation

Meet up groups

Post-assesment

- What is one thing you really enjoyed?
- What is one thing you disliked?
- What can you see yourself using most?
- What are you most excited about?