

Software Carpentry Bootcamp, EOAS-UBC 2014

Become more *productive* by using core computing skills like

- task automation
- version control

which also make your research more *reproducible*.

Welcome

- Materials/Concept from software-carpentry.org and the [Mozilla Science Lab](#)
- Snacks/Coffee from the Department

People

- Instructors: Susan Allen and Doug Latornell
- Helpers: Jordan Aaron, Karina Ramos Musalem, Drew Snauffer, Nancy Soontiens, Katharina Unglert, Kang Wang

Content/Schedule

- Thursday am: Shell
- Thursday pm: Version Control
- Friday am and into afternoon: Intro to Python
- Friday pm: Python Applications (Data and Maps)

Pedagogy

- Learn by Doing
- Instant Feedback (thanks Computers!)
- Learn by Discussing
- Learn by Questioning
- Green Light, Red Light
- Feedback: Etherpad and/or Write on red/green post-its

Resources

- The Bootcamp web site with Lessons (the textbook) – <https://douglatornell.github.io/2014-09-25-ubc/>
- Slide decks for each lesson – PDFs linked as "Bootcamp Slides" on each section's index page
- Reference guides – Handouts and linked from the Syllabus and each section's index page
- Resources links – on each section's index page
- Etherpad at <https://etherpad.mozilla.org/tDiQKEsobS> - a collaborative workspace for notes, questions, links, etc.
- Transcripts of the shell commands that Doug and Susan type – <http://eoas.ubc.ca/~dlatorne/swc/2014-09-25-ubc/history.txt>

Getting to Shell

Windows:

- From the Windows Start button/menu:
 - Open the Git group, then click on Git Bash, or
 - Type `git bash` in the "Search programs and files box"

OS/X:

- Use Finder to navigate to the Application folder, then the Utilities folder
- Launch Terminal

Ubuntu:

- Click the Ubuntu search icon at the top of the dock
- Type `terminal`
- Launch Terminal