



@ITS_Res: Empowering Communities of Researchers with ITS Services



Software Carpentry

Teaching lab skills for scientific computing

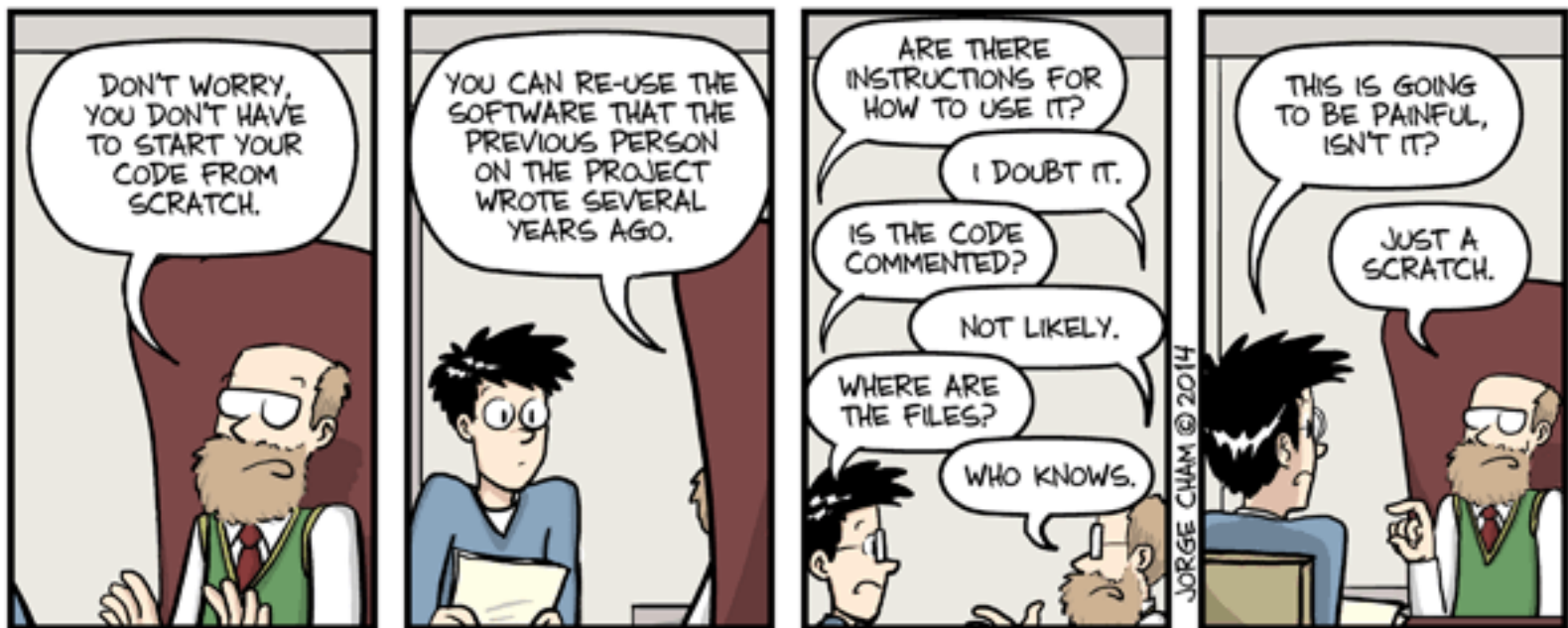
Scott Ritchie, Ph.D. Student, Medical Systems Biology,
Research Community Coordinator,
Software & Data Carpentry Instructor for R



The state of Scientific Computing

“Giving the average scientist access to a supercomputer is like giving the average 16 year old a Ferrari, and the crash rates are similar”

— Greg Wilson, creator of Software Carpentry, PyCon 2014



Software Carpentry: What we teach

Two day bootcamps to give formal training to researchers in:

- Unix/Shell
- Python, Matlab, or R
- Git/Github
- SQL

Software Carpentry: What we *really* teach

Two day bootcamps to give formal training to researchers in:

- Unix/Shell => Task Automation
- Python, Matlab, or R => Modularisation
- Git/Github => Tracking and Sharing
- SQL => Structured Data





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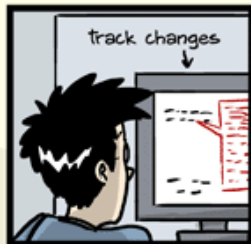
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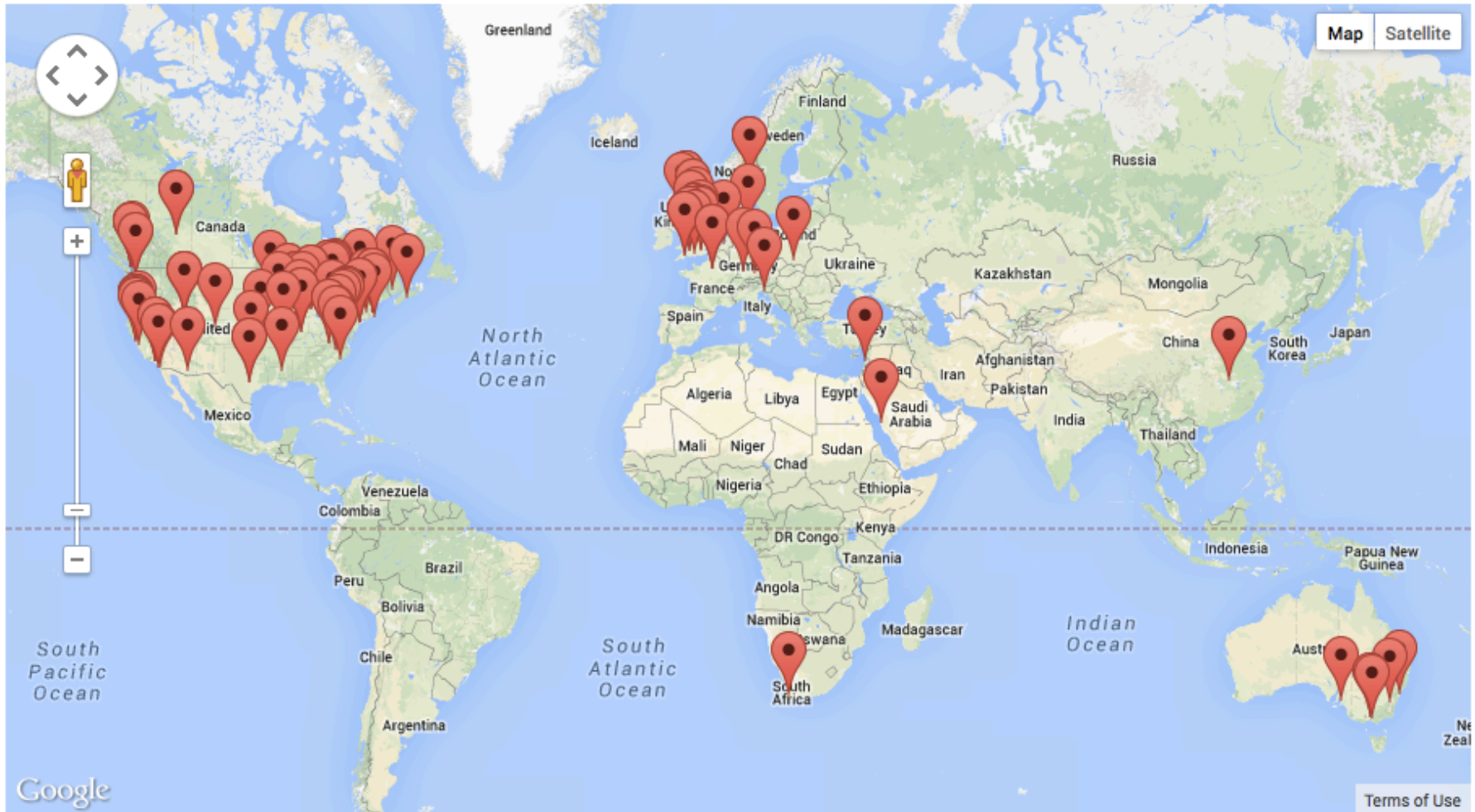


Skills to break large problems into pieces small enough to be

- *comprehensible,*
- *testable,* and
- *reusable.*

Software Carpentry

A two day workshop will save on average, a day a week, for the rest of your scientific career.



Upcoming Bootcamps hosted by #ResBaz

- | | |
|------------------------------|---------------|
| • Python, UQ, | End-July |
| • Matlab, Unimelb, | Mid-August |
| • Python, Unimelb, | Mid-September |
| • R Data Carpentry, Unimelb, | October |

resbaz.tumblr.com/bootcamps

Upcoming Bootcamps Worldwide

software-carpentry.org

Researcher Training Conference

“Kickstarting doctoral training in Australia”

- 3 Days, February 16th–18th
- Interactive training sessions
 - Tools for Open Science and Arts/Digital Humanities
- “Train the trainer” conference February 11th–13th
- Travel scholarships available

resbaz.tumblr.com/conference

Contact Us

Blog: resbaz.tumblr.com

Twitter: @ITS_Res, #ResBaz

Email: scottr@student.unimelb.edu.au

In Person:

- Come find me after this presentation!
- Join us for #HackyHour on Thursdays from 3–4pm @ Tsubu Bar, University of Melbourne.