We make researchers more productive by teaching them basic lab skills for scientific computing

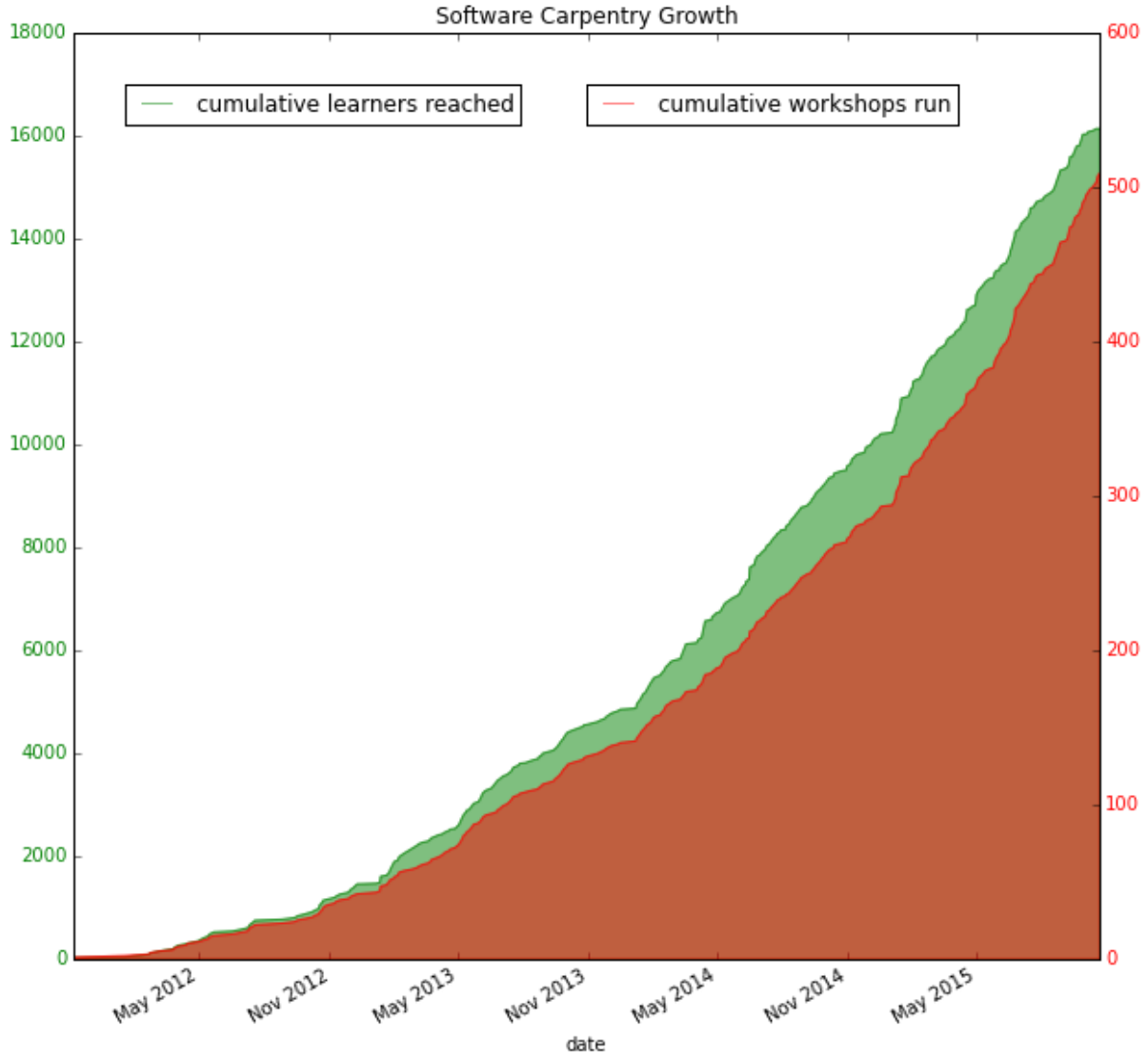
SWC Workshops

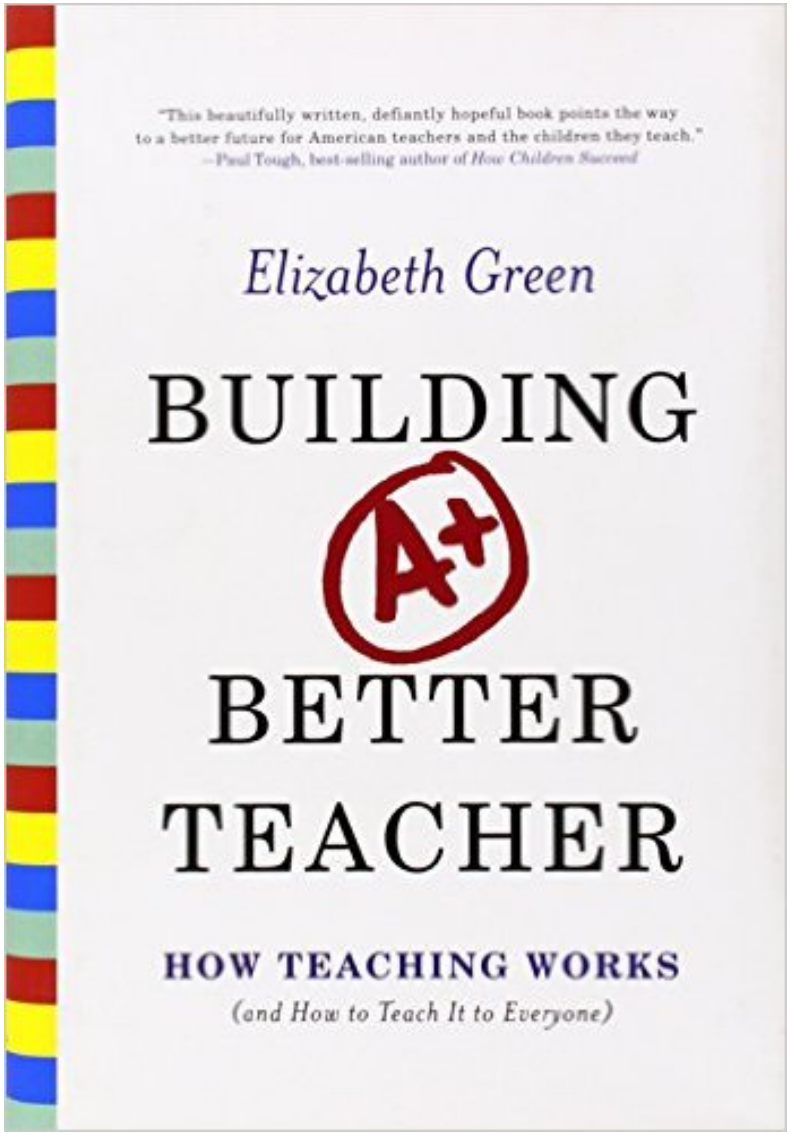
* Two days of hands-on learning
* Scientists teaching scientists
* Instructors are volunteers
* Materials are all open access

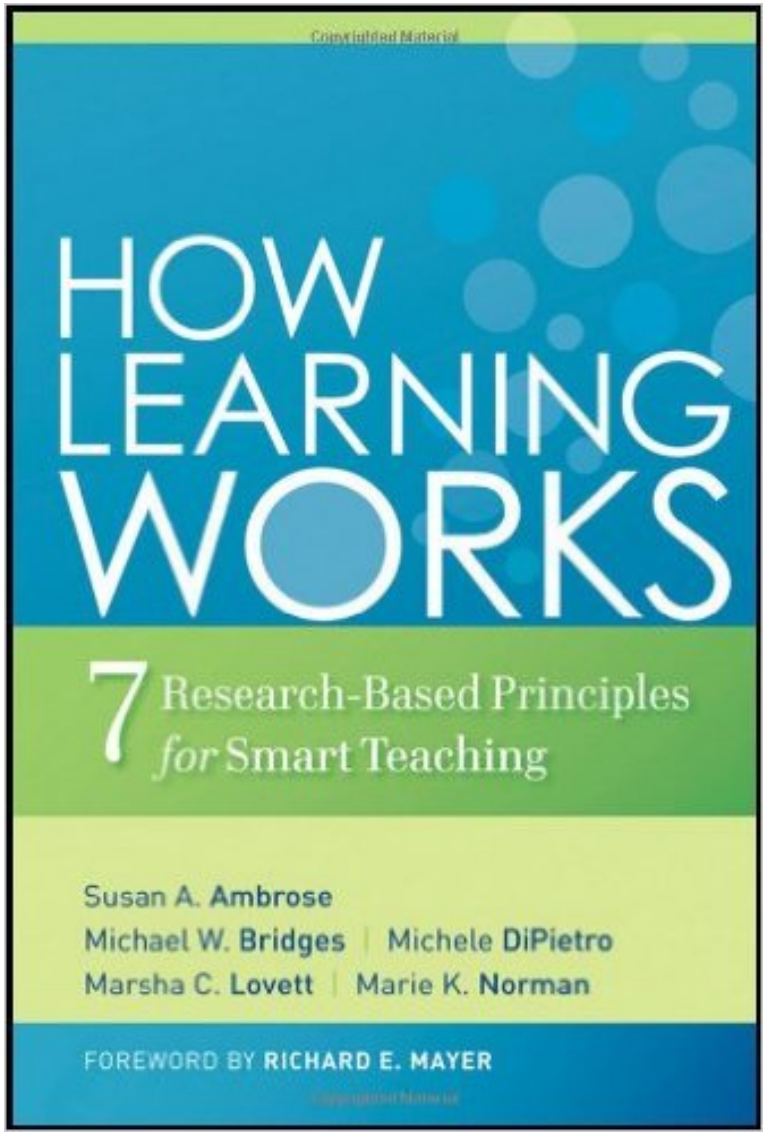
Curriculum

* bash —> automate tasks
* python —> build modular code
* git —> track and share code
* SQL —> manage data
* nose —> program defensively

Previous Workshops


Software Carpentry Growth
cumulative learners reached
cumulative workshops run
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
600
500
400
300
200
100
0
May 2012
Nov 2012
May 2013
Nov 2013
May 2014
Nov 2014
May 2015
date


"This beautifully written, defiantly hopeful book points the way to a better future for American teachers and the children they teach."
—Paul Tough, best-selling author of How Children Succeed
Elizabeth Green
BUILDING
A+
BETTER
TEACHER
HOW TEACHING WORKS
(and How to Teach It to Everyone)


Copyrighted Material
HOW LEARNING WORKS
7 Research-Based Principles for Smart Teaching
Susan A. Ambrose
Michael W. Bridges | Michele DiPietro
Marsha C. Lovett | Marie K. Norman
FOREWORD BY RICHARD E. MAYER

BERKELEY
Institute for
Data Science
CONTINUUM
ANALYTICS
DATA CARPENTRY
elixir
UNITED
KINGDOM
ENTHOUGHT
GitHub
Google
INDIANA UNIVERSITY
INSIGHT
intel
iPlant
Collaborative
J.P.Morgan
Los Alamos
NATIONAL LABORATORY
EST.1943
BERKELEY LAB
MICHIGAN STATE
UNIVERSITY
Microsoft
MITACS
mozilla
FOUNDATION
NeSI
New Zealand eScience
Infrastructure
netherlands
eScience center
Num
FOCUS
Open Code, Better Science
NYU
RStudio
SCIMATIC
SOFTWARE
SciNet
SHARCNET
ALFRED P. SLOAN FOUNDATION
1934
Software
Sustainability
Institute
UNIVERSITY OF WASHINGTON
1861
UNIVERSITY OF
CALIFORNIA, BERKELEY
Cal
THE UNIVERSITY OF CALIFORNIA
DAVIS
UCL
Met Office
THE UNIVERSITY OF
MELBOURNE
eScience Institute

THE END

software-carpentry.org

katyhuff.github.io/2015-11-18-supercomputing

Software Carpentry by Kathryn Huff is licensed under a Creative Commons Attribution 4.0 International License.
Based on a work at http://katyhuff.github.io/2015-11-18-supercomputing.