The Carpentries
A Model Open Initiative

Workshop Towards an African Open Science Platform Infrastructure Framework
UbuntuNet-Connect 2017
1 November 2017
Addis Ababa | Ethiopia

Anelda van der Walt - standing on the shoulders of giants...
Talarify /North-West University
South Africa
Overview

- Introduction to the Carpentries
- Code of Conduct
- Open Access Publishing
- Open Data
- Open Educational Resources
- Open Source Software
- Open Communities
- Open Peer Review
- Open Research Infrastructure
- Open Collaboration Tools
- Open Grant Writing
- Open Methodology
Introduction to the Carpentries
Carpentries continued

Code of Conduct
Software & Data Carpentry are dedicated to providing a welcoming and supportive environment for all people, regardless of...
(Software) Carpentry Instructors
(Software) Carpentry Workshops
Importance of a Code of Conduct in the Open World

Telling people what is expected of them (and what they can expect)

Software Carpentry and Data Carpentry are community organizations. We value the involvement of everyone in this community - learners, instructors, hosts, developers, steering committee members and staff. We are committed to creating a friendly and respectful place for learning, teaching and contributing. All participants in our events and communications are expected to show respect and courtesy to others.

AND how the CoC will be enforced

If you believe someone is violating the Code of Conduct we ask that you report it to the joint Data/Software Carpentry (“the Carpentries”) Policy subcommittee by emailing policy@carpentries.org or C. MacDonnell at confidential@carpentries.org, and if the violation occurs during a workshop or other in-person event, by contacting the host and/or coordinator. All reports will be kept confidential. When possible, please follow the reporting guidelines detailed here. All reports will be reviewed by the Conduct Policy subcommittee. A detailed enforcement policy can be found here.
Let’s see how open they really are...
Software Carpentry: lessons learned [version 1; referees: 3 approved]

Data Carpentry: Workshops to Increase Data Literacy for Researchers
Tracy K. Teal, Karen A. Cranston, Hilmar Lapp, Ethan White, Greg Wilson, Karthik Ram, Aleksandra Pawlik

Good Enough Practices in Scientific Computing
Greg Wilson, Jennifer Bryan, Karen Cranston, Justin Kitzes, Lex Nederbragt, Tracy K. Teal
(Submitted on 31 Aug 2016 (v1), last revised 14 Oct 2016 (this version, v2))
“All of the data are available in a de-identified way in this repository. Source data (csv), Report (html) and Report Source (rmd) are all available for further analysis and exploration.

We’d love to hear from you if you look at the data, and pull requests are most welcome if you come up with some interesting analyses.
Open Educational Resources

Our Lessons

Curriculum
Our lessons are developed collaboratively on GitHub. You can check the status of each lesson on our dashboard, or look at older releases.

Availability
All of our lessons are freely available under the Creative Commons - Attribution License. You may re-use and re-mix the material in any way you wish, without asking permission, provided you cite us as the original source (e.g., provide a link back to this website).

Contributing
If you have questions about contributing to particular lessons, please contact their maintainers (listed below). If you would like to develop new lessons, please see our lesson incubation process.

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Site</th>
<th>Repository</th>
<th>Reference</th>
<th>Maintainer(s)</th>
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<tbody>
<tr>
<td>The Unix Shell</td>
<td></td>
<td></td>
<td></td>
<td>Gabriel Devenyi, Ashwin Srinath</td>
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<td>Version Control with Git</td>
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<td>Ivan Gonzalez, Daisie Huang</td>
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<td>Version Control with Mercurial</td>
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<td>Doug Latornell</td>
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<tr>
<td>Using Databases and SQL</td>
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<td>Abigail Cabunoc Mieres, Sheldon McKay</td>
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<td>Programming with Python</td>
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<td>Trevor Bekolay, Valentina Staneva</td>
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Open Source Software

software carpentry
Teaching basic lab skills for research computing

How Well Do Developers Understand Open Source Licenses?

swcarpentry/website

swcarpentry/website is licensed under the MIT License

A short and simple permissive license with conditions only requiring preservation of copyright and license notices. Licensed works, modifications, and larger works may be distributed under different terms and without source code.
Open Communities

Community Events

There are many opportunities to join community lab meetings, sub-committees and de-briefing sessions. Find links to pad, and subscribe to the calendar below to watch all that is going on throughout our community.

Software Carpentry Community Calendar

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
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<th>Wed</th>
<th>Thu</th>
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<th>Sat</th>
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<tr>
<td>30</td>
<td>31</td>
<td>3</td>
<td>Nov 1</td>
<td>2</td>
<td>3</td>
<td>4</td>
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<td>08:00 demo lesson</td>
<td>16:00 demo lesson</td>
<td>17:00 Carpentries Meetup</td>
<td>03:00 Carpentry Core</td>
<td>10:00 trainer discussion</td>
<td>11:00 Carpentry Core</td>
<td>12:00 demo lesson</td>
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Downloadable version
- Gzip'd Text 65 KB
- Gzip'd Text 28 KB
- Gzip'd Text 26 KB
- Gzip'd Text 60 KB
- Gzip'd Text 30 KB
Open Peer Review

Some articles have been published in journals such as F1000 which allows for open peer review.

All blog posts are open for comments by anyone (abide to CoC).

People often develop presentations and other content which is posted to the Discuss list (or on blogs) for feedback by the community.

Lessons are subjected to open peer review as comments can be made and discussed in Github.
Open Research Infrastructure
Shared infrastructure available through the various members of the Carpentry community (these and others...)

HPC in a day
Open Collaboration Tools

GitHub

EtherPad

Really real-time collaboration.

Slack
Open Management

Minutes of Steering Committee Meeting

The Steering Committee informs that the minutes of their last meeting held last week are now available on GitHub.

Call for Nominations to Joint Board

Call for Joint Carpentries Leadership: Stand for election to the joint board of the merged Carpentries organization.
Open Grant Writing

Data Carpentry

Gordon and Betty Moore Foundation Proposal

A Programme for the Development of Computational and Digital Research Capacity in South Africa and Africa - phase 1

19.05.2016, 21:21 by Anelda Van der Walt, Boeta Pretorius, Dale Peters, Sakkie janse van Rensburg, Kaitlin Thaney, Tracy Teal, Jonah Duckles
Open Methodology

“Keep track of what you’ve done with your data”

- OpenRefine
- R
- Python
- Git/Github
- Blogs
References

https://software-carpentry.org/

http://www.datacarpentry.org/

https://librarycarpentry.github.io/
Thank You

Citation:
figshare.
https://doi.org/10.6084/m9.figshare.5558524.v2
Retrieved: 09:05, Nov 01, 2017 (GMT)