



# LIBRARY CARPENTRY

*Software and data skills for library professionals*



A bit of history





- SWC started in the 80s by Dr. Greg Wilson and Dr. Brent Gorda at a US National Lab; Data Carpentry in 2011 by Dr. Tracy Teal
  - Researchers were needing to learn how to code and work with data “on the job”
- “Carpentry” means “the basics”
  - Like learning how to nail two boards together or put up a wall straight.
- Understanding software and digital data is becoming a new literacy
  - Beyond the usual “computer literacy”



## It's working



n = 1,350 on all **7 continents** yes, even Antarctica

# Community support is really key



**Erin Becker**  
@ErinSBecker

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So proud of our [@thecarpentries](#) Trainers community. 9:22am problem posted. Minutes 'til solution - 4. Total solutions - 4. Total respondents - 6. Total messages w/in 10 minutes - 20. This is what teamwork looks like. [#winning](#)  
[carpentries.topicbox.com/groups/trainer ...](#)

1:06 PM - 23 May 2018

5 Retweets 21 Likes



↻ 5

♥ 21



# Library Carpentry?



# The First Library Carpentry

- In 2015, James Baker of the British Library put together a four week workshop motivated as a “Library Carpentry”
  - <http://librarycarpentry.github.io/city-november-2015/>
- It was a session for libraries, by librarians, and created a critical mass of interested individuals to move forward.



# Why do we need this?

In the research sector, academics no longer need librarians to help them find information – they can search the research literature themselves through online services. Increasingly the information they want is in data they already have, or can get. So they want help to clean up, analyse, mine, sift, manage and visualise that data, which is where librarians with data skills can play a new role.

-- Belinda Weaver





Canada



Cam Macdonell  
MacEwan University



Thomas Guignard  
Ontario Colleges Library Service



Greg Wilson  
Software Carpentry

USA



Tim Dennis  
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Juliane Schneider  
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John Chodacki  
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Erika Mias  
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Matthias Liffers  
Curtin University



Camille Crengle  
Massey University



Belinda Weaver  
Univ. Carpentries

# And many more!

# Great Lessons and Activities

- Jargon Busting!!!
- Data Intro for Librarians - <https://librarycarpentry.github.io/lc-data-intro/>
- OpenRefine - <https://librarycarpentry.github.io/lc-open-refine/>
- Tidy Data - <https://librarycarpentry.github.io/lc-spreadsheets/>
- Bash Shell - <https://librarycarpentry.github.io/lc-shell/>
- SQL - <https://librarycarpentry.github.io/lc-sql/>
- Git and Github - <https://librarycarpentry.github.io/lc-git/>
- In the works – Python Programming, FAIR data, and Digital Preservation



# Library Carpentry stats

- 219 library-related events worldwide since 2013
- Over 50 Library Carpentry workshops
  - US, UK, Europe, South Africa, and Australia
- Around 50 LC instructors
  - And always growing
  - <https://twitter.com/erikamias/status/999560048165736448>



# There are many ways to get involved

1. Attend a workshop (find them on [librarycarpentry.org](https://librarycarpentry.org))
2. Host a workshop
3. Help at a workshop (first step to becoming an instructor)
4. Join a *Sprint* or contribute to our lessons
5. Join our chat group (<https://gitter.im/LibraryCarpentry/Lobby>) to connect with the community
6. Email me [timdennis@ucla.edu](mailto:timdennis@ucla.edu)



# Connecting with us

- Website <http://librarycarpentry.org>
- Twitter <https://twitter.com/LibCarpentry>
- Github (Lesson repositories)  
<https://github.com/LibraryCarpentry>
- Chat room (via Gitter) <https://gitter.im/LibraryCarpentry/Lobby>
- Carpentries mailing lists <https://carpentries.topicbox.com>
- Tim Dennis: [timdennis@ucla.edu](mailto:timdennis@ucla.edu)

