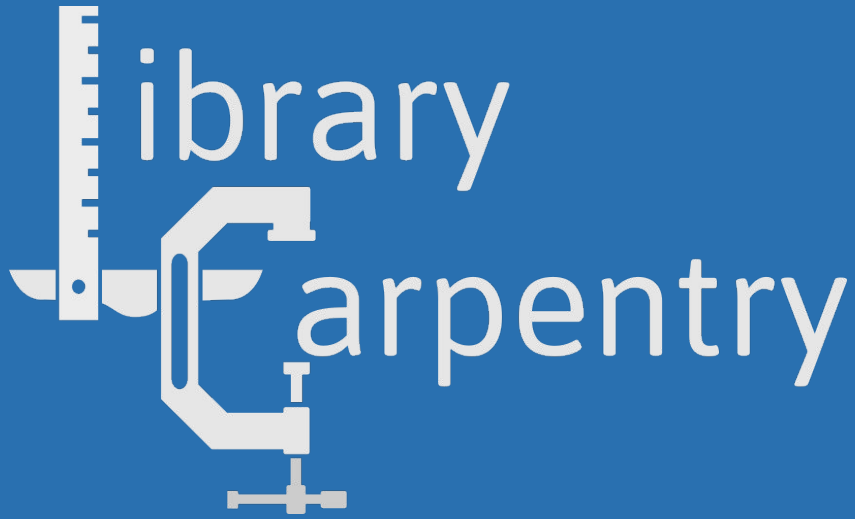

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Taking the Carpentry Model to Librarians

December, 12 2017

UCLA

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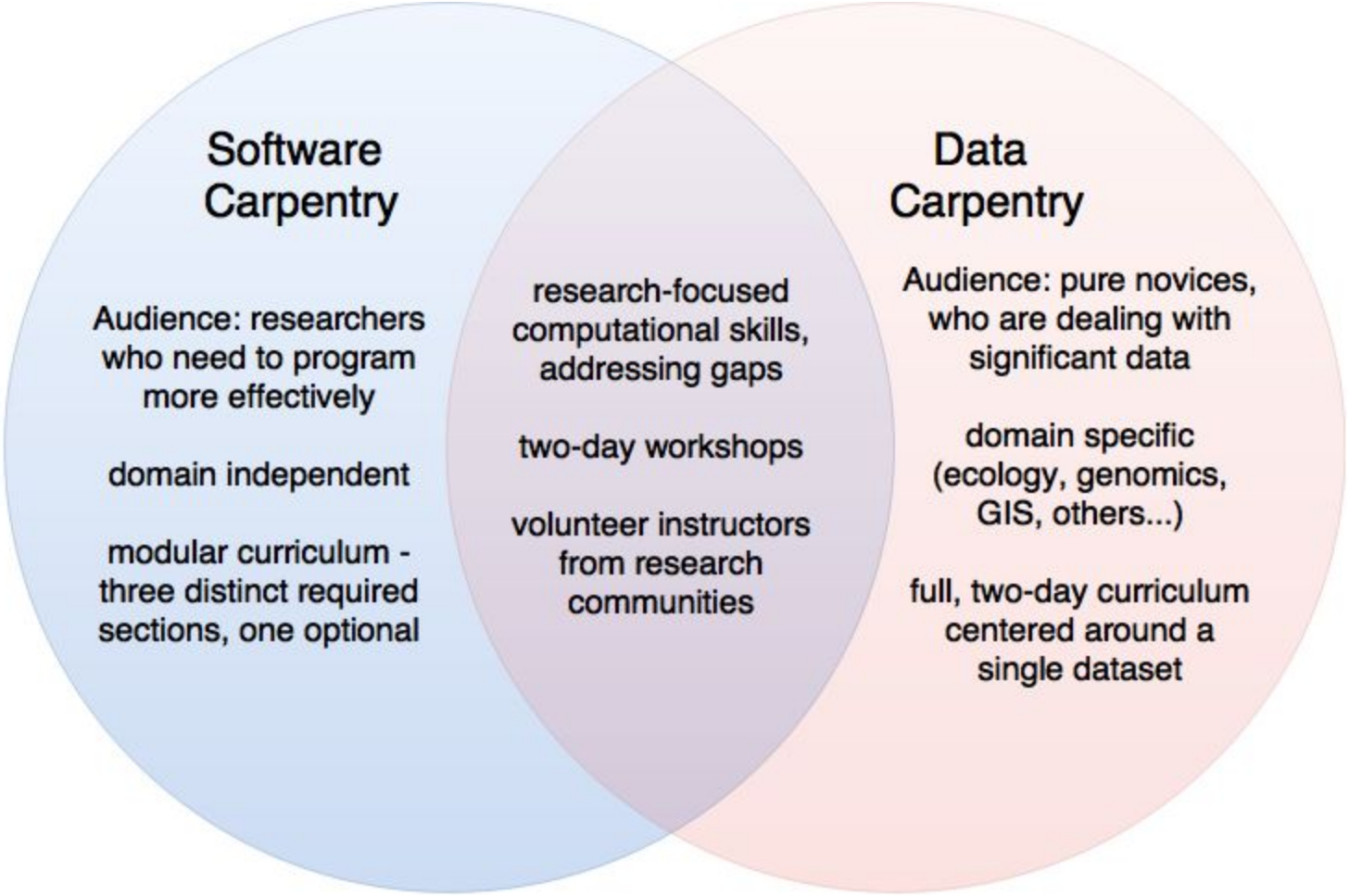
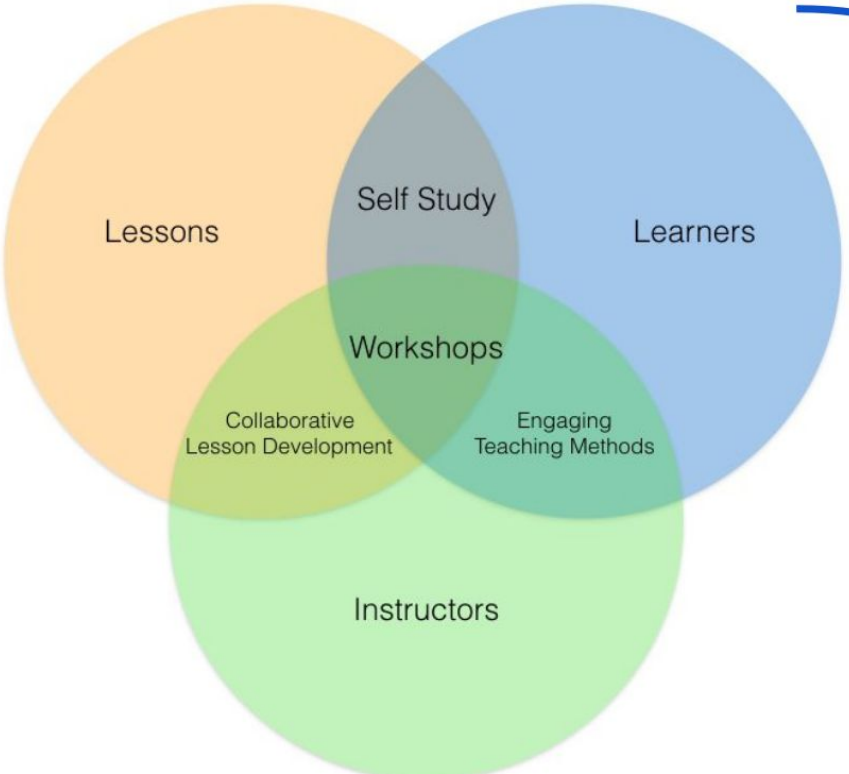

Software Carpentry
Audience: researchers who need to program more effectively
domain independent
modular curriculum - three distinct required sections, one optional
research-focused computational skills, addressing gaps
two-day workshops
volunteer instructors from research communities
Data Carpentry
Audience: pure novices, who are dealing with significant data
domain specific (ecology, genomics, GIS, others...)
full, two-day curriculum centered around a single dataset

The Carpentries Ecosystem



Code of Conduct

Software & Data Carpentry are dedicated to providing a welcoming and supportive environment for all people, regardless of...

https://software-carpentry.org/blog/2016/03/venn-diagram.html

https://software-carpentry.org/conduct/

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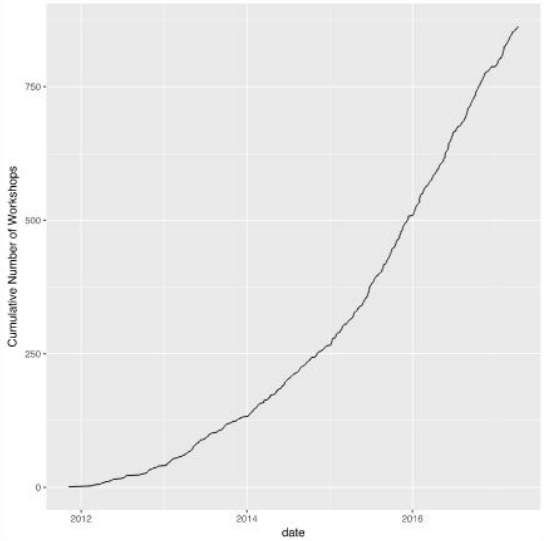
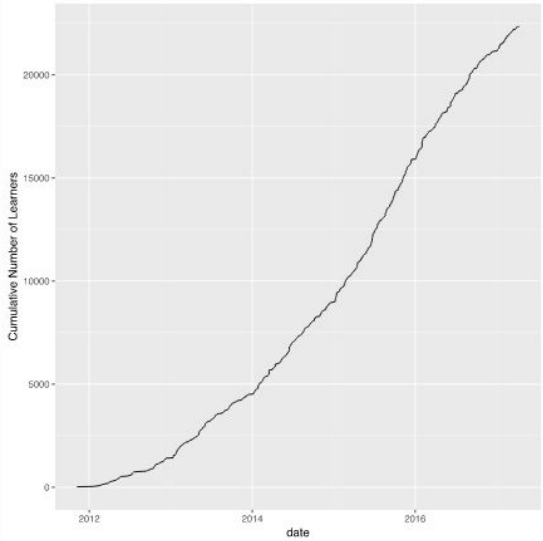
Workshops



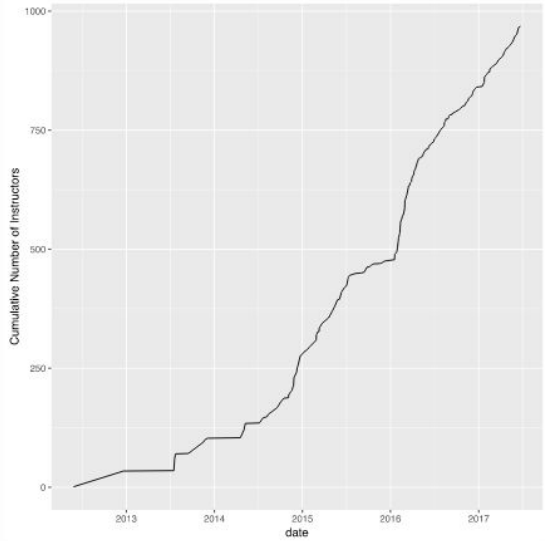
n=863

Learners



n=22,353

Instructors

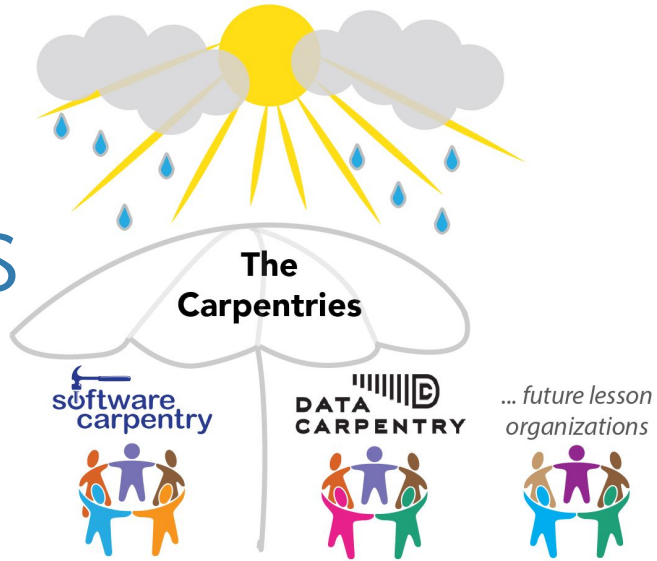


n=968

Stats updated on 2017-06-26

https://software-carpentry.org/about/

THE CARPENTRIES



***DRAFT* Responsibilities of the Carpentries**

Coordinate with partners and grant agencies
Manage and report on finances
Prioritize staff time for lesson organizations
Instructor training
Develop consistent cross-Carpentries policies
Promote synergy between lesson organizations
Reduce redundancies between lesson organizations
Workshop organization and administration
Develop shared infrastructure
Community development and communication
Develop and maintain technical resources
On-board new lesson organizations

***DRAFT* Responsibilities of Lesson Organizations**

Maintain communication with the Carpentries
Follow policies outlined by the Carpentries
Regularly report on activities
Develop and maintain curricula
Teach workshops
Have an Advisory Committee

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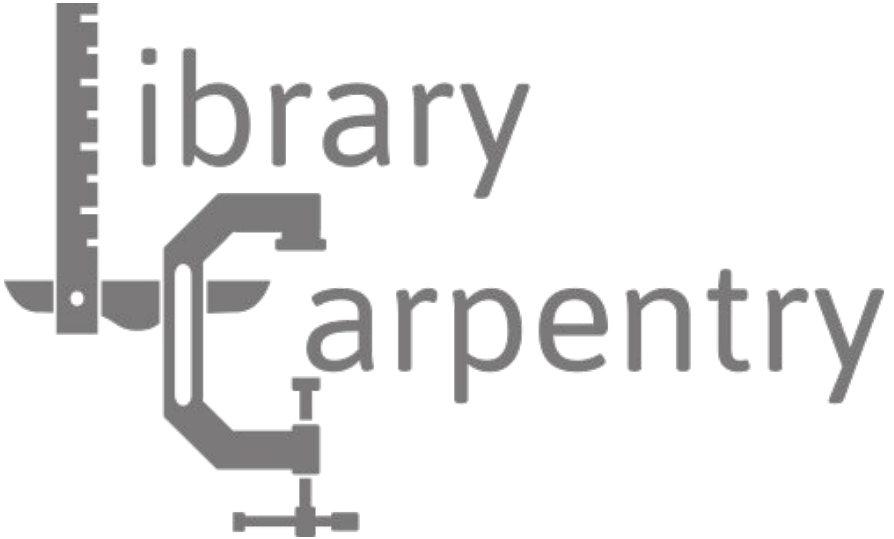
LIBRARY CARPENTRY



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LIBRARY CARPENTRY

Helps librarians to:

- automate repetitive tasks
- work effectively with IT and systems colleagues
- create, maintain and analyse sustainable and reusable data
- better understand the use of data/software in research
- *and much more…*

LIBRARY CARPENTRY

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- For librarians, by librarians
- Relies heavily on the pedagogy, structures, norms of the Carpentries
- Welcoming & safe learning environment
- Collaborative environment for building & improving training modules

LIBRARY CARPENTRY

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https://repository.ubuntunet.net/handle/10.20374/98

LIBRARY CARPENTRY

UCLA

versus

https://repository.ubuntunet.net/handle/10.20374/98

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Lesson Development

10 Simple Rules for Collaborative Lesson Development

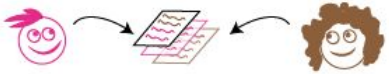
UCLA

1. Clarify your audience

2. Make lessons modular

3. Teach best practices for lesson development

4. Encourage and empower contributors



5. Build community around lessons

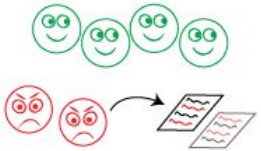
6. Publish periodically and recognize contributions

7. Evaluate lessons at several scales

8. Reduce, re-use, recycle

9. Link to other resources

10. You can't please everyone



https://arxiv.org/abs/1707.02662

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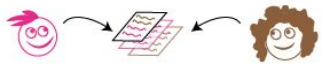
Nov. 15, 2015

- James Baker started at British Library
- 4 contributors
- Lessons on Data Into, Shell, Git, OpenRefine
- In more fixed documents, such as, slides and word
- One-off over 4 weeks

Dec. 9, 2017

- 32 Contributors
- Lessons modularized & made consistency
- Each lesson has 2 maintainers
- Added Python, SQL, & Webscraping lessons
- Gitter group chat
- 2 lesson sprints organized by Belinda Weaver catalyzed lessons/community



Etherpad Sign-up

UK, University of Sheffield, Time zone BST (UTC+1)
Registration for Sheffield: https://ti.to/Mozilla/global-sprint-sheffield
Location: Bartolome House
Organiser: Jez Cope/Anna Krystalli
Attending:
Name / Github username / Twitter handle
1. Jez Cope / jezcope / jezcope
2. Anna Krystalli / annakrystalli / annakrystalli

British Library, London, Time zone BST
Registration for London: https://ti.to/Mozilla/global-sprint-britishlibrary
Location: Learning Room 2, Lower Ground Floor
Organiser: Nora McGregor
Attending:
Name / Github username / Twitter handle
1. Nora McGregor / ndalyrose / @ndalyrose
2. James Baker / drjwbaker / j_w_baker
3. Charlotte Kostelic / charlottekostelic / @chuckkostelic
4. Owen Stephens / ostephens / @ostephens
5. Jenny Bunn
6. Livvy Adjei
7. Eva Jirjahlke
8. Sanayah Malik
9. Alex Mendes
10. Amelie Roper

Norman, Oklahoma, Time Zone CDT (UTC -5)
Registration for Norman: https://ti.to/Mozilla/global-sprint-norman
Location: Bizzell Memorial Library, LL121E (Digital Scholarship Lab)
Organiser: Sarah Clayton
Attending:
Name / Github username / Twitter handle
1. Sarah Clayton / sclayton29 / @sclayton29
2. Mark Laufersweiler / laufers / @laufers I will be on travel these 2 days but will join in when I can

Denton, Texas, Time Zone CDT (UTC -5)
Registration: https://ti.to/Mozilla/global-sprint-denton-tx
Location: Willis Library, Room 250C
Organiser: Lauren Ko
Attending:
Name / Github username / Twitter handle
1. Lauren Ko / ldko /

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The Carpentries in Australia
Software, Data and Library Carpentry Australian workshops and news

Blog About

Library Carpentry sprint, 1-2 June, 2017

The Library Carpentry sprint is part of the 2017 Mozilla Global Sprint, which will take place worldwide on 1-2 June, 2017. Check out our sprint entry on Mozilla Pulse. For those new to the field, a sprint is like a hackathon - it is a way to get people working together to create, update or extend open projects like Library Carpentry.

Join us to be part of it!

Build Community Around Lessons

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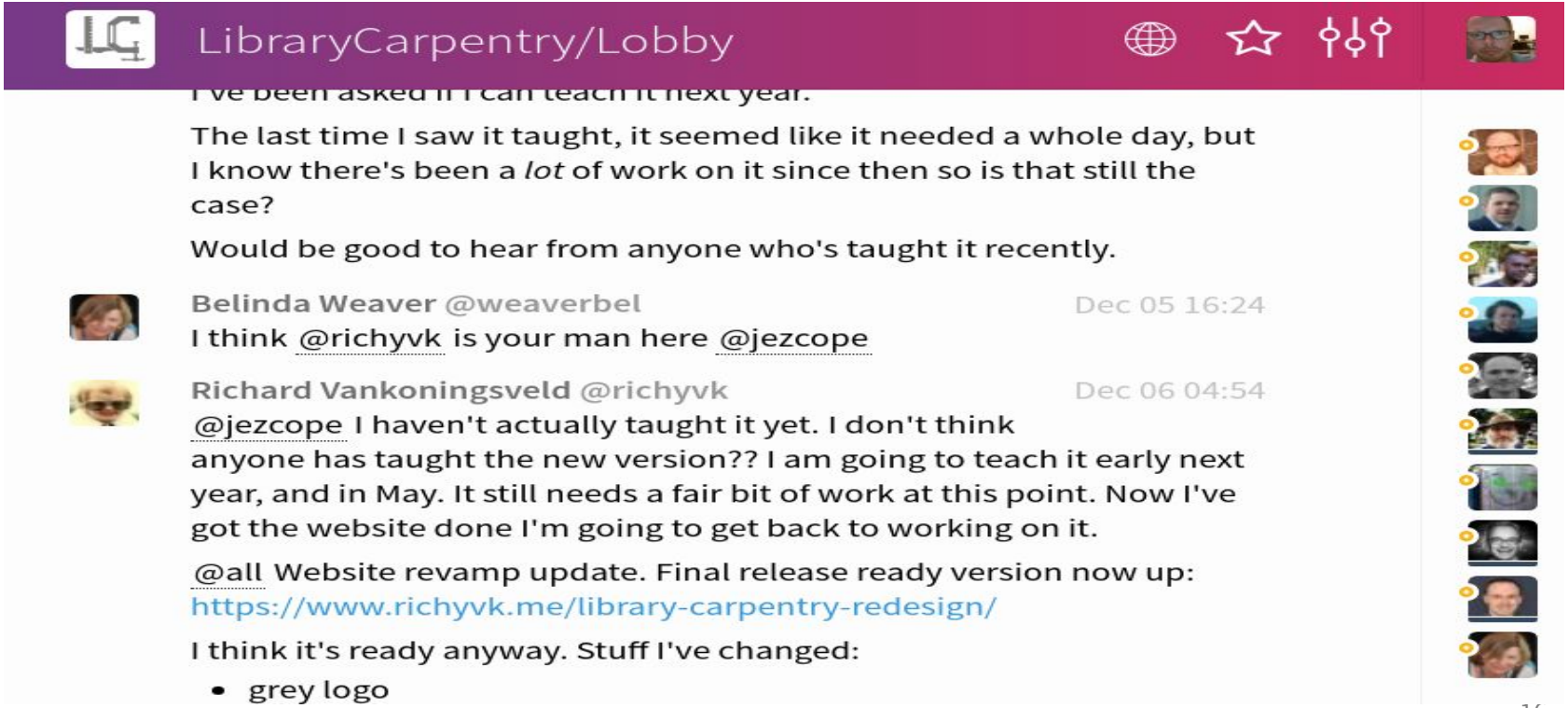
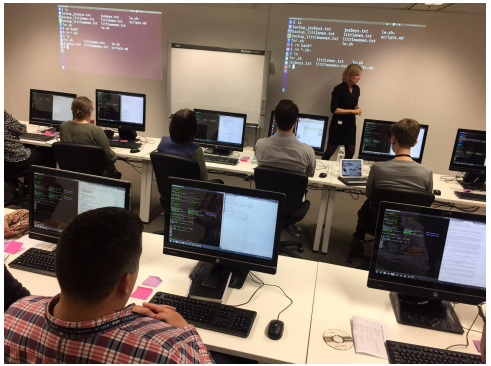
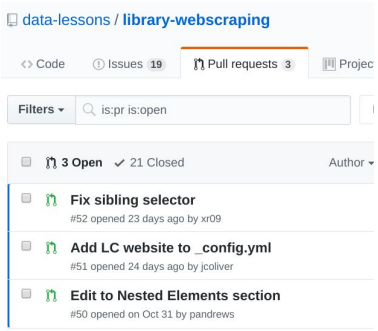
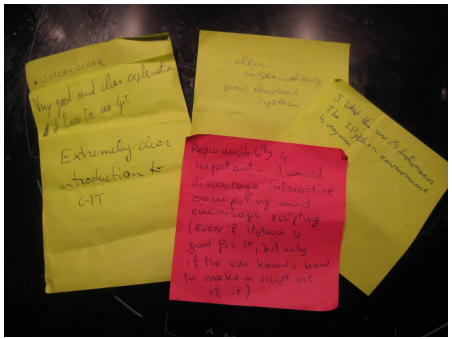
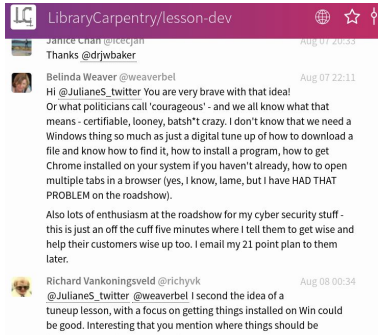





data-lessons / library-webscraping
Code
Issues 19
Pull requests 3
Projec
Filters
is:pr is:open
3 Open
21 Closed
Author
Fix sibling selector
#52 opened 23 days ago by xr09
Add LC website to _config.yml
#51 opened 24 days ago by jcoliver
Edit to Nested Elements section
#50 opened on Oct 31 by pandrews




LibraryCarpentry/lesson-dev
Janice Chan @icecjan
Thanks @drjwbaker
Belinda Weaver @weaverbel
Aug 07 22:11
Hi @JulianeS_twitter You are very brave with that idea!
Or what politicians call 'courageous' - and we all know what that means - certifiable, looney, batsh*t crazy. I don't know that we need a Windows thing so much as just a digital tune up of how to download a file and know how to find it, how to install a program, how to get Chrome installed on your system if you haven't already, how to open multiple tabs in a browser (yes, I know, lame, but I have HAD THAT PROBLEM on the roadshow).
Also lots of enthusiasm at the roadshow for my cyber security stuff - this is just an off the cuff five minutes where I tell them to get wise and help their customers wise up too. I email my 21 point plan to them later.
Richard Vankoningsveld @richyvk
Aug 08 00:34
@JulianeS_twitter @weaverbel I second the idea of a tuneup lesson, with a focus on getting things installed on Win could be good. Interesting that you mention where things should be

Build Capacity

- First cohort of librarian-focused Carpentries Instructor training

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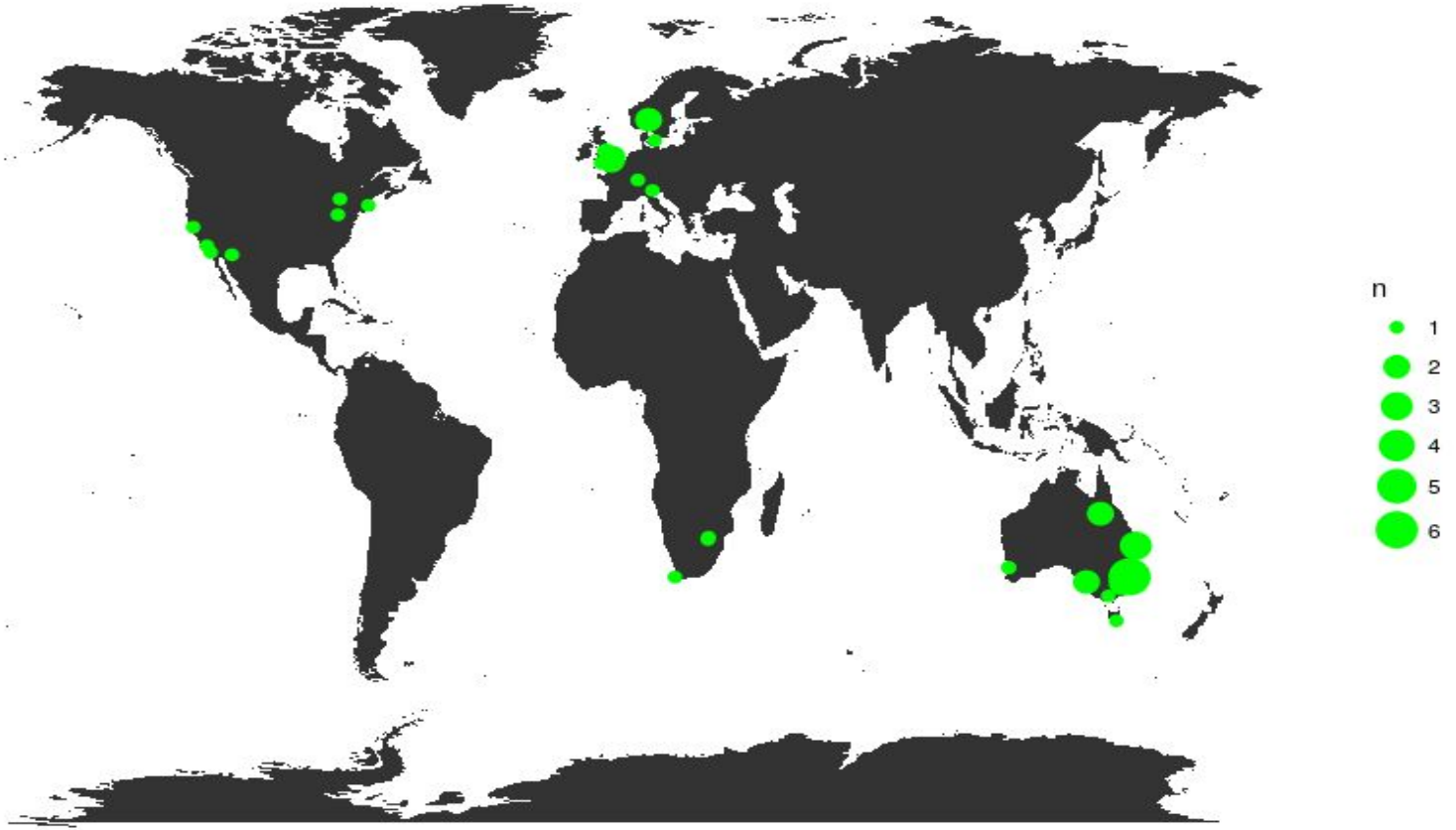
Workshops

Library Carpentry Workshops: 11/2015-11/2017



44 Total Workshops

Johannesburg
nsend, AU
Collin James Storlie @JCU_
JCU librarians learn new #bigdata skills w/ #librarycarpentry taught by @jcu_eresearch
@jayvanschyndel @qcifltd
Jul 2016

Erika Mias
@erikamias

#eRA2017 @LibCar
digital curators rock

Janice Chan
@icecjan

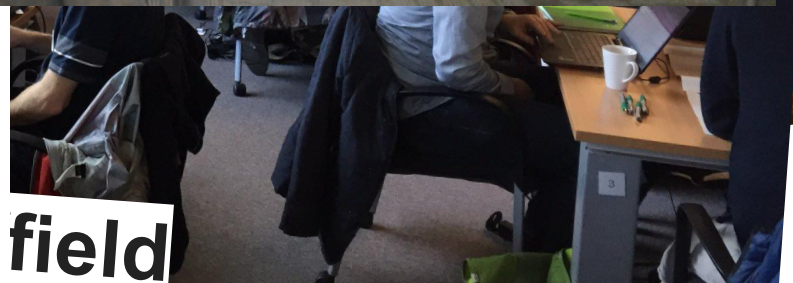
Follow

Jargon busting @cloudaus #LibraryCarpentry
(What's hadoop???)

Perth

6:34 PM - 28 Aug 2017

Christchurch, NZ



field

And many more!

Next Steps

Challenges

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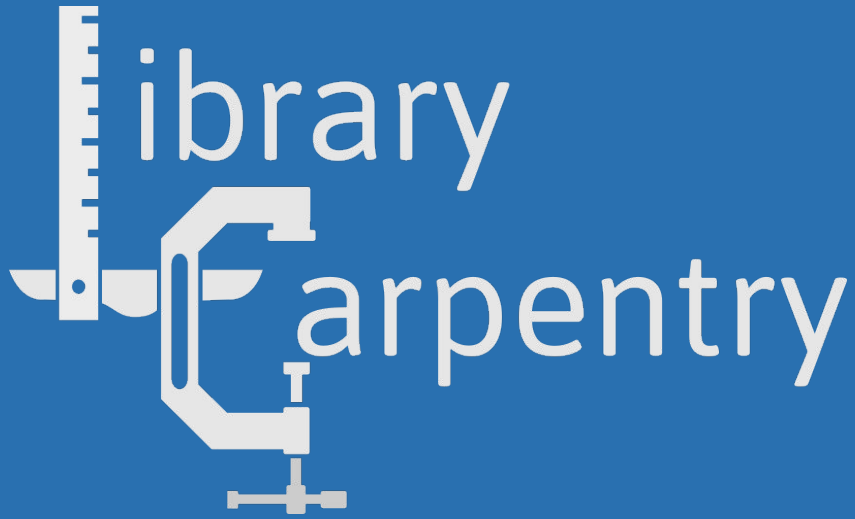
- Need infrastructure and staff to grow and respond to burgeoning demand
  - Currently we are using some part of the Carpentries
- Need a steering committee that can engage with funders
- Need to establish ground rules about what kind of community we are
- Need a formal assessment program (current on is ad-hoc)

Recent Developments

UCLA

- A recent IMLS grant has also been won by CDL's UC3 in the US to fund Library Carpentry coordinator role and development in the US
- After an Oct. community call, there's general support from the community to merge with the Carpentries
- A interim steering committee will be formed to open discussions with the Carpentries and manage the details of a merge
- Small group to work with the Carpentries' Assessment Director to align our assessment efforts with other carpentries as possible with the goal of inter-carpentry analysis



UCLA

Thank You

Tim Dennis, UCLA, @jt14den
John Chodacki, UC3, @chodacki

Juliane Schneider, Harvard, @JulianeS
Tracy Teal, Carpentries, @tracykteal

@LibraryCarpentry