

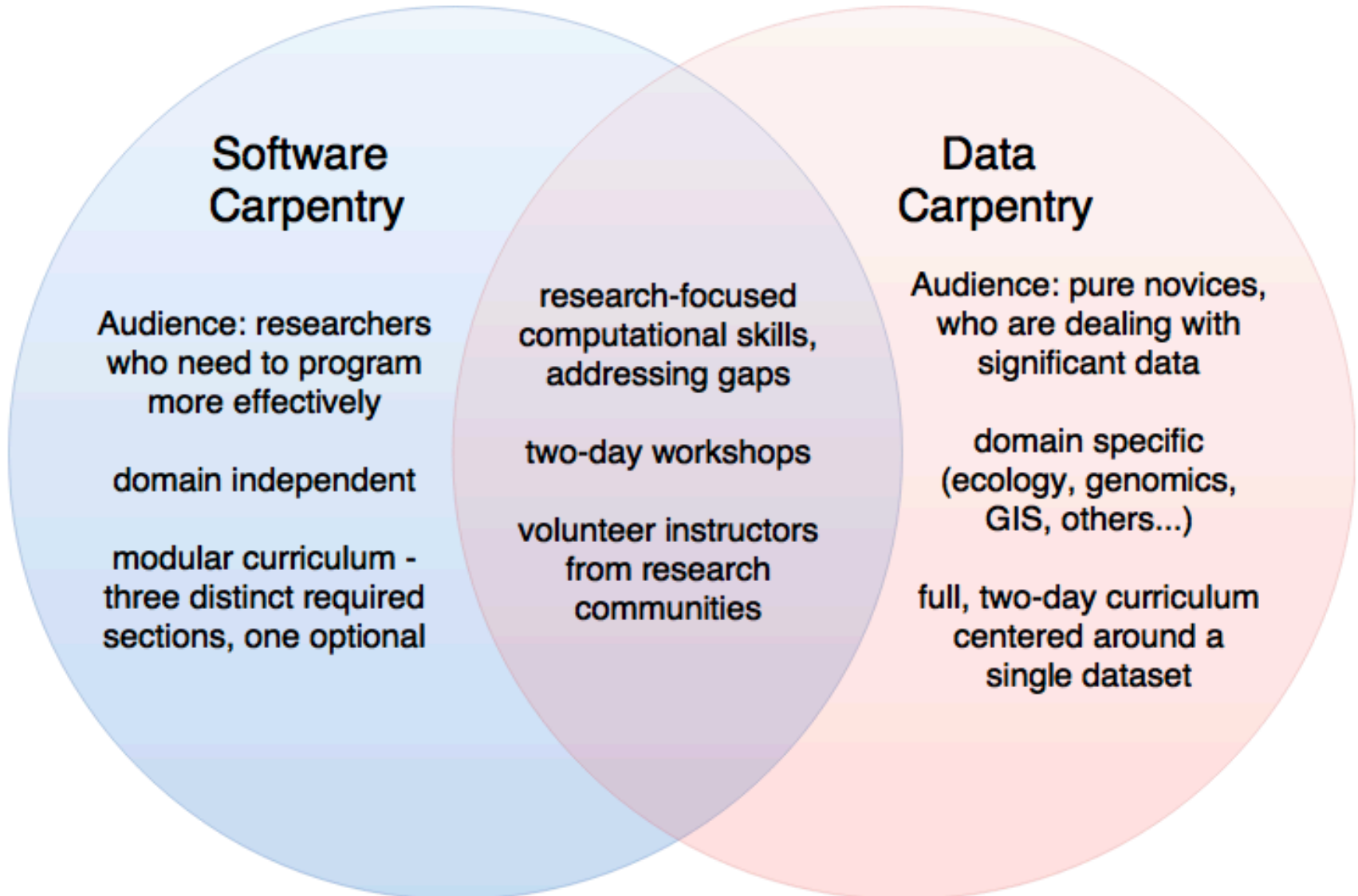


The Carpentries: How we Operate

History

- 1998: Software Carpentry co-founded by Brent Gorda and Greg Wilson
- 2004-2005: materials released under CC-BY
- 2010-2011: current two-day workshop model with standard curriculum emerges
- 2013: SSI in UK starts administering UK workshops
- 2013: Software Carpentry community identifies need for training to handle data
- 2015: became non-profit organisation, Software Carpentry Foundation (SCF)

Software and Data Carpentry



The Carpentry Community



Workshops and material, train instructors, mentoring

- **Instructors:** teach workshops – cornerstone of the community
- **Trainers:** train new instructors, lead teaching demos, develop instructor training curriculum
- **Mentors:** lead discussion sessions & mentoring groups
- **Maintainers:** oversee curricular changes

The Carpentry Community



Oversight, strategy, advocacy, administration

- **Lesson infrastructure subcommittee:** maintain lesson templates
- **Policy subcommittee:** moderate discussion lists and arbitrate Code of Conduct violations
- **Steering committees:** future strategy
- **Local champions:** advocate Carpentries at home institutions/regions
- **Other roles:** admin, event participation, blogs

The Carpentry Community

- [Software](#) and [Data](#) Carpentry websites, blogs
- Lesson materials hosted on GitHub
 - Lesson [template](#)
 - Published using GitHub pages
 - Contributions & discussions via GitHub pull requests and issues
- Public discussion lists
 - Teaching practices, job postings, announcements
- Host monthly community calls, weekly instructor discussion sessions
- Data Carpentry discussion forum
- Twitter, Slack, Facebook

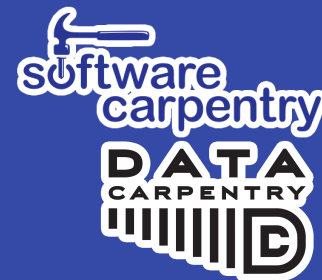
How a Workshop Works

- Two types
 - **Centrally-organised:** Carpentry staff e.g. administrate, liaise with event host, find instructors, handle registration
 - **Self-organised:** all above handled by instructors/organisation hosting the event
- Read the policies for instructor training & Data/Software Carpentry workshops
 - <https://github.com/carpentries/policies>
 - Read through instructor no-show policy before first workshop
 - <https://github.com/carpentries/policies/blob/master/instructor-no-show-policy.md>

In Practice...

- Teaching materials
 - Can use for any purpose (CC-BY 4.0)
 - Should tailor materials to fit purpose and audience
- “Software Carpentry” & “Data Carpentry” terms and logos trademarked. Can use name in workshop if
 - It covers the core topics
 - At least one instructor is certified
 - You run our pre/post workshop questionnaires
 - Send summary information about attendees (minimum)
- Instructors must be certified – then can run either type of workshop
- Must create a one-page workshop website...

Exercise 1: Practice with SWC or DC Infrastructure



In groups of two or three.

*Go to either the **Software Carpentry** or **Data Carpentry** **template repository** and follow the directions to create a workshop website using your local location and today's date.*

- <https://github.com/swcarpentry/workshop-template>
- <https://github.com/datacarpentry/workshop-template>

***Share** the link for your workshop website into the **Googledoc**.*

A Culture of Contribution

- Aim to be open, collaborative, based on best practices
 - Draw together community expertise
 - Create, share and improve lessons
- Carpentry materials hosted on GitHub
- Contributions managed using GitHub "issues" or "pull requests"
 - Allows community discussion before merging

Exercise 2: Check Out the Discussion

*As an instructor, **your voice is important!***

*We want you to be **actively involved** in discussions about the lesson materials.*

Go to the GitHub page for the lesson you worked with over the past two days:

- ***Click** on the “Issues” tab*
- ***Read** through some of the discussions and, if you have anything to add, please add it to the conversation!*

If you do make a significant contribution to the discussion, send a link to the issue to checkout@carpentries.org.

***Congratulations!** You’ve just completed one of the three remaining steps in becoming a Carpentry instructor.*

Contributing to Lessons

- Lesson incubation
 - Feeling inspired to write a fantastic lesson?
 - Model it after the Carpentry lesson format:
 - <https://github.com/swcarpentry/lesson-example>
 - Template and instructions
- Many ways to contribute
 - GitHub not for everyone
 - Suggestions for improving process? Let us know!

Q&A

- What questions do you have about running and teaching at a workshop?