

The Carpentries

Sharing software and data skills through community-based training

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Link to these slides: <https://bit.ly/453ptwX>



 <https://carpentries.org>

 @thecarpentries@fosstodon.org

Midwest Community Call
September 22, 2023

Our mission

- The Carpentries builds **global capacity** in **essential data and computational skills** for conducting efficient, open, and reproducible research.
- We train and foster an active, inclusive, diverse **community** that teaches, promotes and models the importance of software and data in research.
- We collaboratively develop **openly-available lessons** and deliver these lessons using **evidence-based teaching practices**.
- We focus on people conducting and supporting **research**.



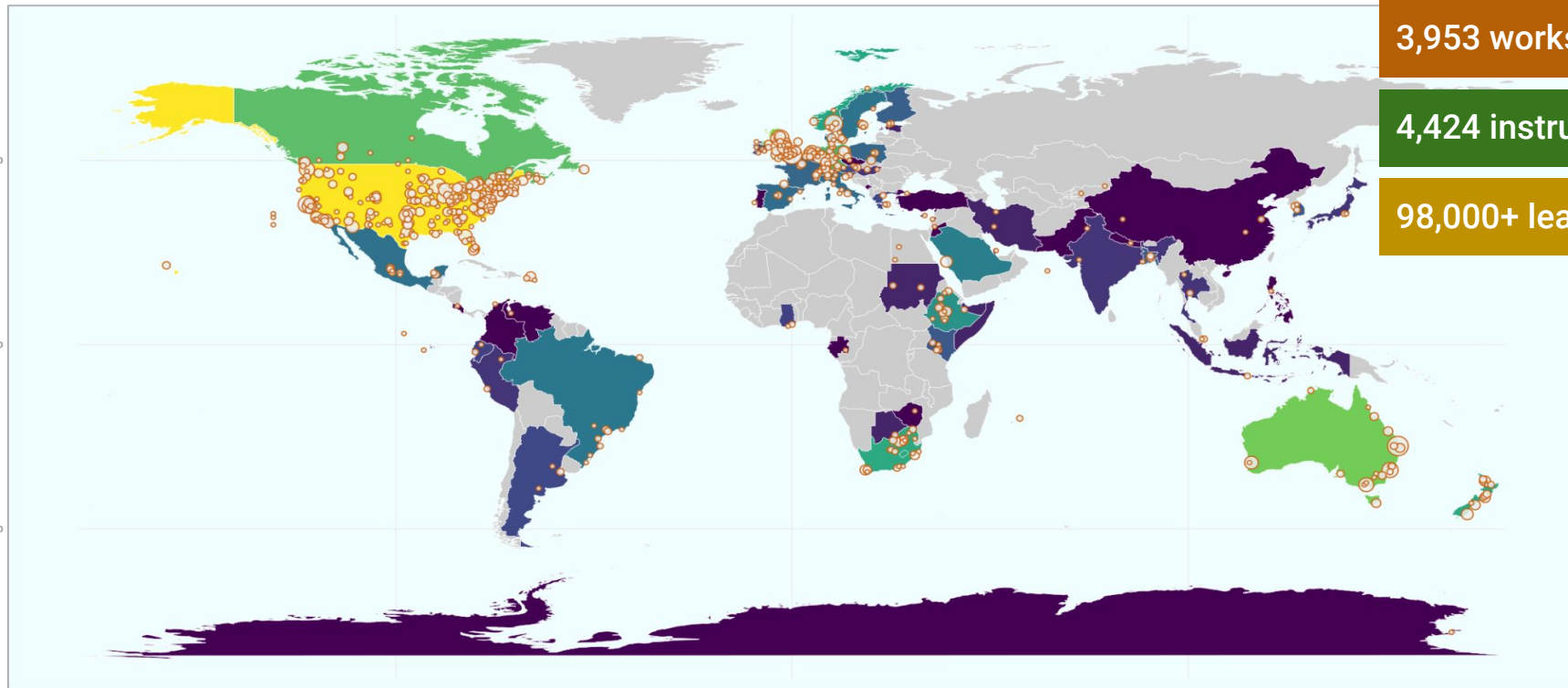
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3,953 workshops

4,424 instructors

98,000+ learners



Number of workshops 25 50 75 100 Number of Workshops 1 10 100 500

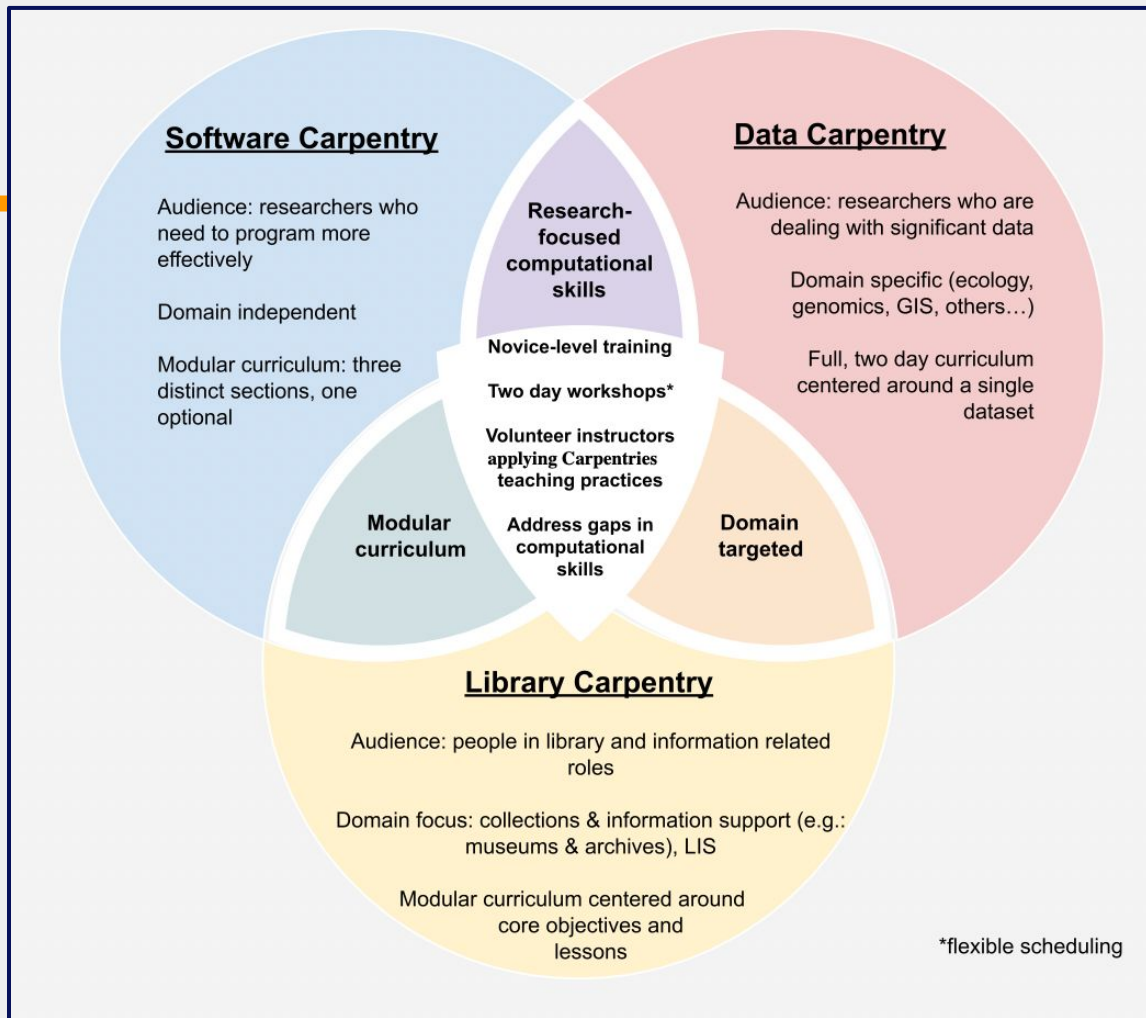


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Our curricula

- **CC-BY licensed**
- [Software Carpentry](#)
- [Data Carpentry](#)
- [Library Carpentry](#)
- [Community lessons](#)
 - Incubator
 - Lab

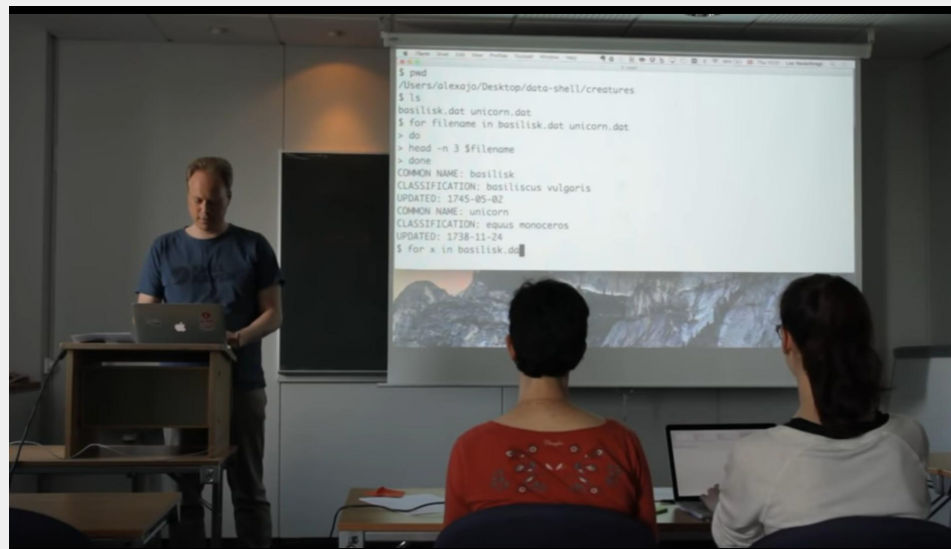


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Our Workshops

- Teach immediately useful skills
- Use live coding and frequent formative assessment
- Respect the novice experience by explicitly addressing motivation
- Normalize errors and demonstrate recovery



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Our Instructors

- Bring basic technical skills
 - Are trained in teaching
 - Continue learning through co-teaching
- Carpentries-certified Instructors can:
 - Co-teach self-organized workshops locally
 - Support development of inclusive, vibrant local communities of practice
 - Co-teach centrally-organized workshops with The Carpentries, building skills and connections across the globe



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Instructor Training & Certification

- 2-day (or 4-half-day) training
 - Active, participatory instruction
 - Cognitive features of teaching and learning
 - Inclusive, accessible, and motivating classroom practices
 - Carpentries 101
- 3-step checkout process
 - Demonstrate teaching practices
 - Attend a Welcome Session
 - “Get involved”: teach, help, attend, or contribute



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From our surveys:

- “This training was worth my time” - agree or strongly agree:

> **90%**

- “I would recommend this training to a friend or colleague” (1-10):

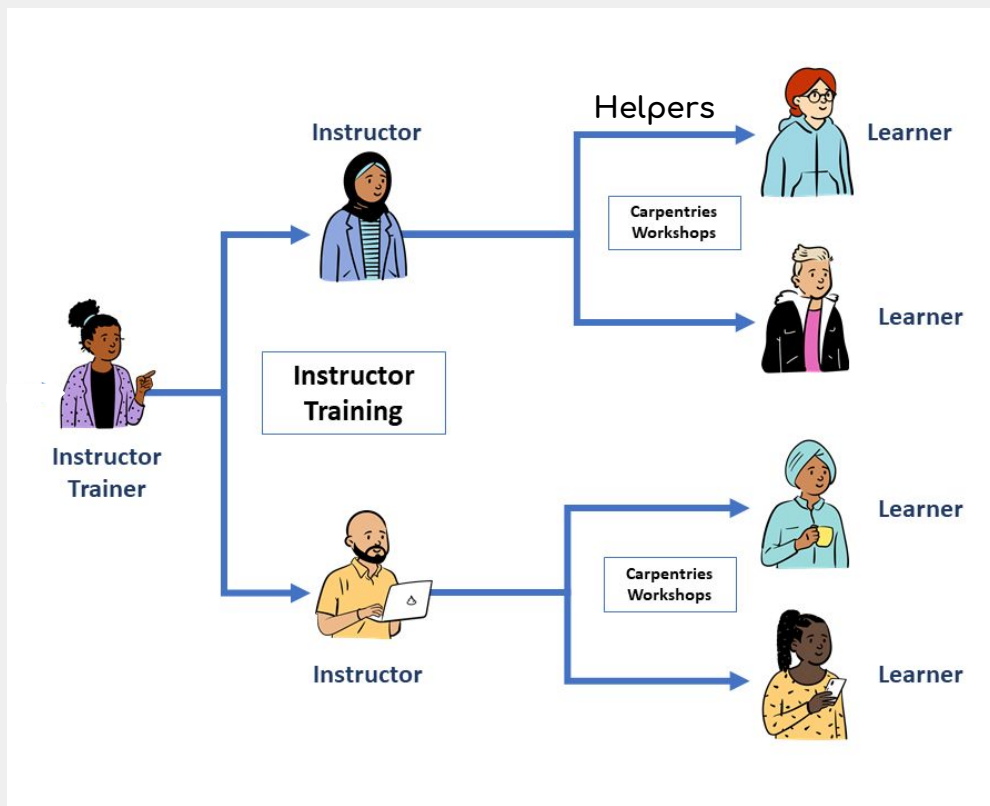
> **8.5**



Local Communities

May include:

- Instructors
- Helpers
- Learners
- Hosts (not pictured)
- Instructor Trainers (optional)



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Join Us!

- Become an Instructor: <https://carpentries.org/become-instructor>
- Request a Workshop: <https://carpentries.org/workshops>
- Champion a Membership: <https://carpentries.org/membership>
- Get our Newsletter: <https://carpentries.org/newsletter>
- Follow us on Twitter: <https://twitter.com/thecarpentries>
- Contact me: krword@carpentries.org



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Link to these slides: <http://bit.ly/3kvTLXC>