

The Carpentries Incubator and Lab: a pathway to peer-reviewed publication for open source lessons

Dr Toby Hodges

tobyhodges@carpentries.org

Dr Michael Culshaw-Maurer

incubator@carpentries.org

Dr Zhian Kamvar

Dr François Michonneau



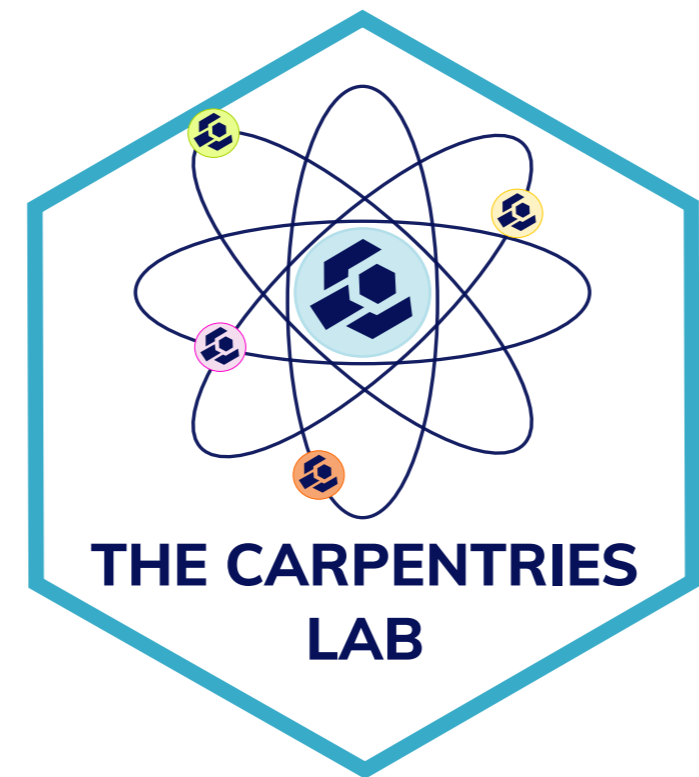
The Carpentries aims to be the leading inclusive community teaching data and coding skills. The community builds global capacity in essential data and computational skills for conducting efficient, open, and reproducible research.



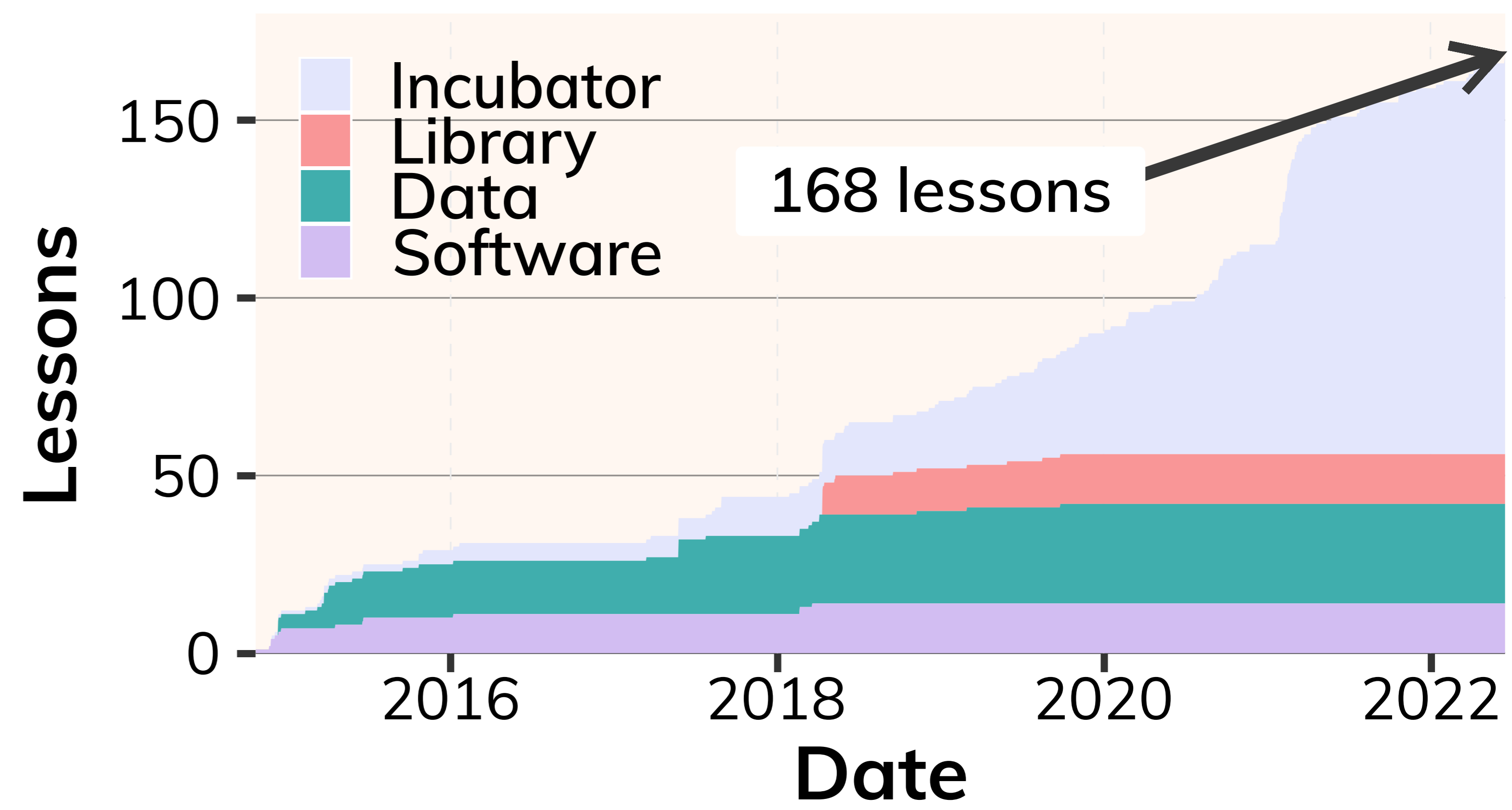
The Carpentries Incubator is a space for the community to create and develop their own open lessons, following The Carpentries recommended approach to curriculum design and development, using our open source lesson infrastructure.



The Carpentries Lab provides a space for high-quality, stable, and peer-reviewed lessons, and a platform for open peer review of lessons by the community, with the option for journal publication.



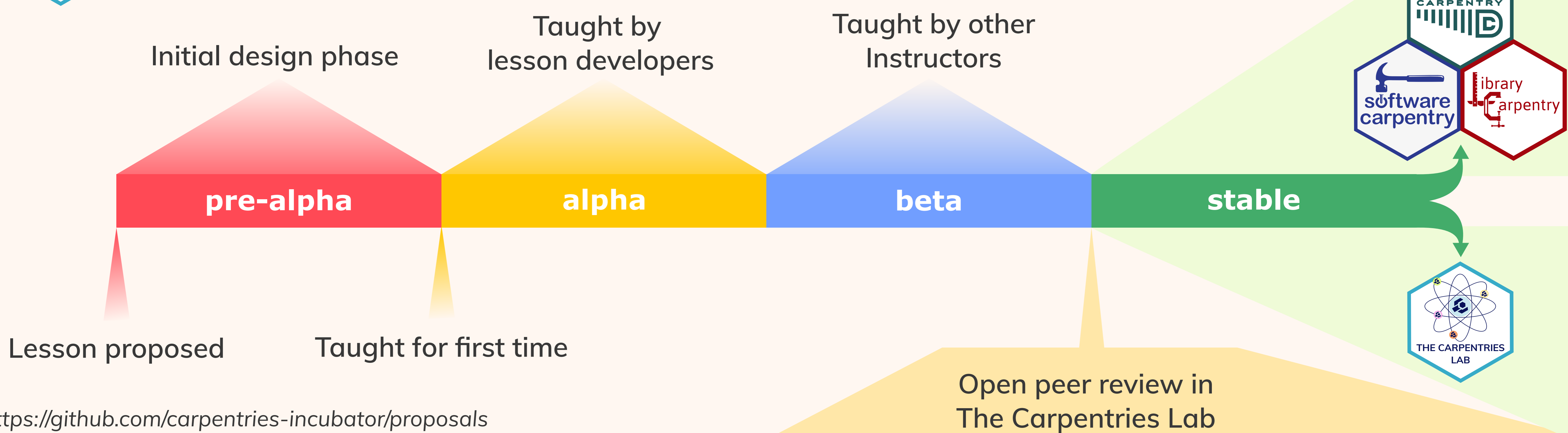
The Carpentries Curriculum Community is Growing



Number of lesson repositories in The Carpentries Lesson Programs and The Carpentries Incubator since 2015. The growth in lessons in the Incubator reflects the community's increasing engagement with lesson development.



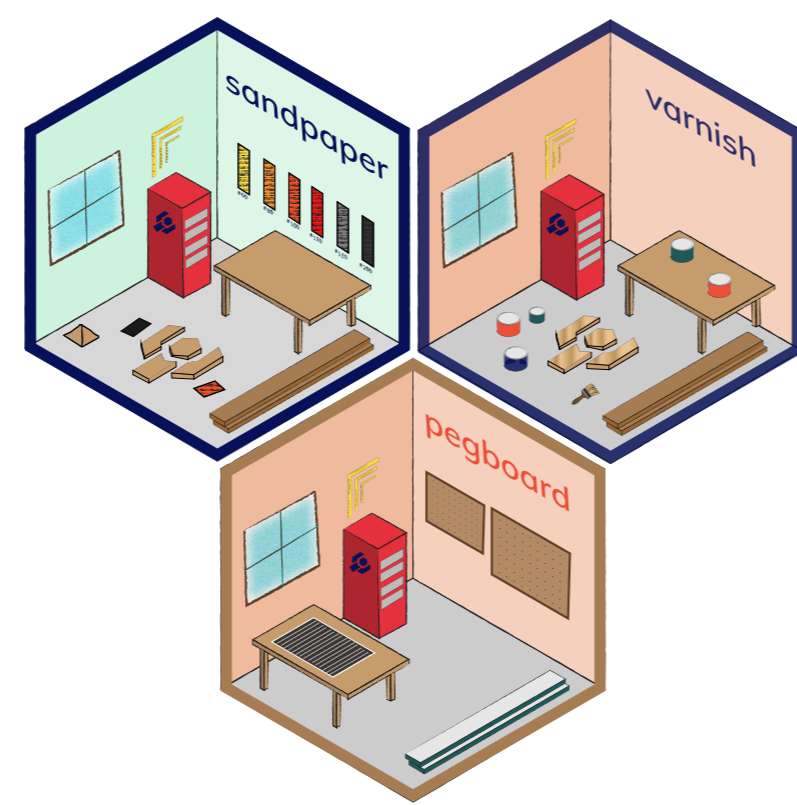
The Lesson Development Life Cycle



<https://github.com/carpentries-incubator/proposals>

Support for Lesson Development

Lessons are built with **The Carpentries Workbench** - an open source infrastructure for lesson websites with accessibility at the core of its design.



Lesson developers can access *training* to help them adopt good practices in lesson design and collaboration.

The Carpentries is building a *community of practice* around collaborative lesson development, where lesson developers can share and learn from the experience of their peers.

The Carpentries provides platforms for communication around lesson development, and mechanisms for lesson projects to attract new contributors and collaborators.

Lesson Review*

Lessons are reviewed by community members in public issues threads on GitHub. Lessons are reviewed for:

- accessibility
- design
- content

Support for Reviewers

- Reviewer guide
- Review checklists

Results of Review

- Lesson joins The Carpentries Lab or a Carpentries Lesson Program (e.g. Library Carpentry)
- Option to publish in the Journal of Open Source Education

<https://github.com/carpentries-lab/reviews>

* Inspired by open review & publication of software by ROpenSci + JOSS

Supported by:

