

## Consent to Participate in Research Carpentries Long-Term Impact Survey

### *Introduction and Purpose*

My name is Erin Becker and I am the Associate Director of The Carpentries. Thank you for volunteering to take part in our research study, which is about understanding the effectiveness of our workshops. The information you provide will be used to improve future workshops. The survey is 30 questions long and will take approximately 10-15 minutes to complete.

### *Confidentiality*

Your responses will be recorded anonymously. If you respond via email, your IP address will be registered; however, your responses will remain anonymous. We hope to use these results to improve workshops for future learners.

### *Risks and Benefits*

There are no direct risks or benefits to you from filling out this survey, and no compensation. You will be offered an opportunity to participate in a drawing at the end of this survey. Should you choose to participate, your e-mail address will be recorded. Your e-mail address will not be linked to your survey results. You may enter the drawing without completing the survey by leaving the questions blank.

### *Consent*

You are not required to take this survey to participate in future workshops. You may quit the survey at any time or skip any item other than those required to correctly sort your responses.

If you have any questions about the study, please contact Erin Becker, Associate Director of The Carpentries at [ebecker@carpentries.org](mailto:ebecker@carpentries.org) or [eribecker@ucdavis.edu](mailto:eribecker@ucdavis.edu) or Megan Welsh, Assistant Professor of Education at the University of California, Davis at [megwelsh@ucdavis.edu](mailto:megwelsh@ucdavis.edu).

If you have any questions about your rights or treatment as a research participant in this study or would like to provide input about this research, please contact the University of California at Davis' IRB Board at (916) 703-9151, [IRBAdmin@ucdmc.ucdavis.edu](mailto:IRBAdmin@ucdmc.ucdavis.edu), or 2921 Stockton Blvd, Suite 1400, Room 1429, Sacramento, CA 95817.

\* 1. I consent to taking this survey.

☐ Yes

\* 2. Are you 18 years of age or above?

☐ Yes

☐ No

\* 3. Is this your first time completing this survey?

☐ Yes

☐ No

☐ I don't know.



4. What is your current status?

- ☐ Undergraduate Student
- ☐ Graduate Student
- ☐ Postdoc
- ☐ Faculty
- ☐ Industry
- ☐ Academic Research Staff
- ☐ Other Academic Staff

Other (please specify)

5. What is your field of research, work, or study? Check all that apply.

- ☐ Agricultural or Environmental Sciences
- ☐ Biomedical/Health Sciences
- ☐ Business
- ☐ Computer Science
- ☐ Earth Sciences
- ☐ Engineering
- ☐ Humanities
- ☐ Library Sciences
- ☐ Life Sciences
- ☐ Mathematics or Statistics
- ☐ Physical Sciences
- ☐ Social Sciences

Other (please specify)

6. How many Carpentries (Software, Data, Library) workshops have you completed as a learner?

- ☐ 1
- ☐ 2
- ☐ 3+

7. How long ago did you last complete a Carpentries workshop?

- ☐ 0-6 months ago
- ☐ 6 months - 1 year ago
- ☐ More than 1 year ago

8. Which Carpentries workshop did you last attend?

- ☐ Data Carpentry
- ☐ Library Carpentry
- ☐ Software Carpentry
- ☐ I don't know.

9. What content was covered at the last Carpentries workshop you completed? Select all that apply.

- ☐ Cloud Computing
- ☐ Git
- ☐ MATLAB
- ☐ Mercurial
- ☐ OpenRefine
- ☐ Python
- ☐ R
- ☐ Spreadsheets
- ☐ SQL
- ☐ Unix Shell
- ☐ I don't remember.
- ☐ Other (please specify)

10. Which of the following behaviors have you adopted as a result of completing a Carpentries workshop?  
Check all that apply.

- ☐ Improving data management and project organization.
- ☐ Developing a data management and analysis plan.
- ☐ Using databases, scripts and queries to manage large data sets.
- ☐ Transforming step-by-step workflows into scripts or functions.
- ☐ Using programming languages like R or Python, or the command line to automate repetitive tasks.
- ☐ Reusing code.
- ☐ Using version control to manage code.
- ☐ Using version control to collaborate online (in public or private repositories).
- ☐ Sharing code or data publicly on places like GitHub or FigShare.

Other (please specify)

11. Before completing a Carpentries workshop, how often did you use programming languages (R, Python, etc.), databases (Access, SQL, etc.), version control software and/or the shell?

- ☐ I had not been using tools like these.
- ☐ Less than once per year.
- ☐ Several times per year.
- ☐ Monthly.
- ☐ Weekly.
- ☐ Daily.

12. Since completing a Carpentries workshop, how often do you currently use programming languages (R, Python, etc.), databases (Access, SQL, etc.), version control software and/or the shell?

- ☐ I have not been using tools like these.
- ☐ Less than once per year.
- ☐ Several times per year.
- ☐ Monthly.
- ☐ Weekly.
- ☐ Daily.

13. How would you rate your change in confidence in the tools that were covered during your Carpentries workshop(s) compared to before the workshop?

- ☐ I'm more confident now.
- ☐ I'm equally confident now.
- ☐ I'm less confident now.

14. If you are using the tools you learned in a Carpentries workshop, how are they helping you? Check all that apply.

- ☐ They are improving my overall efficiency.
- ☐ They are improving my ability to analyze data.
- ☐ They are improving my ability to manage data.
- ☐ The tools I learned have not helped me with my work.
- ☐ I am not using the tools I learned.

Other (please specify)

15. Has completing a Carpentries workshop contributed to your writing of a research article, thesis, dissertation, or grant proposal?

- ☐ Yes.
- ☐ No.
- ☐ Not sure.

16. If you answered yes to question 15, please tell us how completing a Carpentries workshop contributed to your research writing.

17. What topics could we offer that would motivate you to take another Carpentries workshop? Please describe below.



18. The statements below reflect ways in which completing a Carpentries workshop may have impacted you. Please indicate your level of agreement with these statements.

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
I have used skills I learned at the workshop to advance my career.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have been motivated to seek more knowledge about the tools I learned at the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have made my analyses more reproducible as a result of completing the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have received professional recognition for my work as a result of using the tools I learned at the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have improved my coding practices as a result of completing the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My research productivity has improved as a result of completing the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have gained confidence in working with data as a result of completing the workshop.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. Please tell us the most important way you were impacted as a result of completing a Carpentries workshop.

\* 20. In what country was the workshop you attended held?



## Demographics

21. With what gender do you most identify?

- ☐ Female
- ☐ Male
- ☐ Transgender female
- ☐ Transgender male
- ☐ Gender variant/non-conforming
- ☐ Prefer not to answer

22. How would you describe yourself? Check all that apply.

- ☐ American Indian or Alaska Native  
(A person having origins in any of the original peoples of North and South America (including Central America), and who maintains a tribal affiliation or community attachment.)
- ☐ Asian  
(A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.)
- ☐ Black or African American  
(A person having origins in any of the Black racial groups of Africa – includes Caribbean Islanders and other of African origin.)
- ☐ Hispanic or Latino(a)  
(A person of Spanish-speaking origin or ancestry and/or Latin American origin or ancestry – includes Portuguese and Brazilians.)
- ☐ Native Hawaiian or Other Pacific Islander  
(A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.)
- ☐ White  
(A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.)
- ☐ I prefer not to say.

23. Please indicate your involvement in the Carpentry community since completing a Carpentry workshop. Check all that apply.

- ☐ Subscribed to the newsletter.
- ☐ Attended at least one community call.
- ☐ Became a workshop helper.
- ☐ Became a Carpentry instructor.
- ☐ Joined a committee.
- ☐ Joined a mentoring group.
- ☐ Participated in a Twitter chat.
- ☐ Contributed to a Carpentry lesson.

Other (please specify)

24. Which of the following learning activities (for data management and analysis) have you participated in since completing a Carpentry workshop? Check all that apply.

- ☐ Participated in an in-person short course.
- ☐ Participated in an online short course.
- ☐ Participated in a Meetup.
- ☐ Participated in a semester long course.
- ☐ Used self-guided Carpentry lesson material.
- ☐ Used non-Carpentry self-guided material.

Other (please specify)

25. Have you recommended a Carpentry workshop to a friend or colleague?

- ☐ Yes.
- ☐ No.
- ☐ I don't remember.

26. How likely are you to recommend a Carpentry workshop to a friend or colleague?

Not at all likely

Neutral

Extremely likely

☐

27. Optional: Please tell us two outcomes you accomplished as a result of completing a Carpentry workshop.

28. Optional: If you are not applying the skills you learned at a Carpentry workshop in your work, please tell us why.

29. Optional: If you would like to make additional comments about your Carpentry workshop experience, or ways you've used the tools you learned in a Carpentry workshop, please comment below.

\* 30. We are looking for participants to take part in a short interview about how the Carpentry workshop impacted their work/career. Please indicate if you would like to participate in this opportunity.

☐ Yes

☐ No

Carpentry Long-Term Impact Survey: Interview

\* 31. Please give us your e-mail address to be contacted to participate in a short interview. Your e-mail address will not be linked to your survey results.