Consent to Participate in Research
Carpentry Long-Term Feedback Survey

Introduction and Purpose
My name is Erin Becker and I am the Associate Director of Data Carpentry. 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 26 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 Data Carpentry at ebecker@datacarpentry.org or eribecker@ucdavis.edu or Megan Welsh, Assistant Professor of Education at the University of California, Davis at megwelsh@ucdavis.edu.
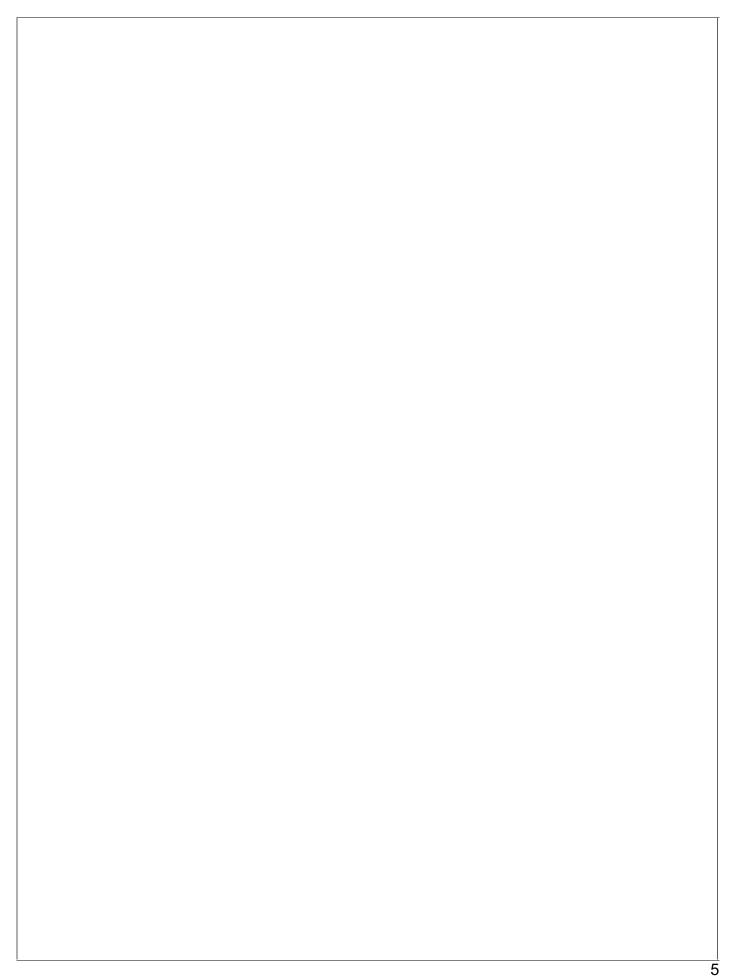
If you have any questions about your rights or treatment as a research participant in this study or would like to provide input about this research, please contact the University of California at Davis' IRB Board at (916) 703-9151, IRBAdmin@ucdmc.ucdavis.edu, or 2921 Stockton Blvd, Suite 1400, Room 1429, Sacramento, CA 95817.

* 1. I consent to taking this survey.

◯ Yes

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

◯ Yes

◯ No

3. In what country did you attend a Carpentry workshop?

[   ]

4. What is your current position?

○ 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 Software or Data Carpentry workshops have you completed as a learner?

- ( ) 1
- ( ) 2
- ( ) 3+

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

- ( ) 0-6 months ago
- ( ) 6 months - 1 year ago
- ( ) More than 1 year ago

8. Which content was covered at the Carpentry workshop(s) 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)

[   ]

9. Which of the following behaviors have you adopted as a result of completing a Carpentry 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)

[   ]

10. Before completing a Carpentry 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.

11. Since completing a Carpentry 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.

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

◯ I'm more confident now.

◯ I'm equally confident now.

◯ I'm less confident now.

13. If you are using the tools you learned in a Carpentry 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)

[   ]

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

○ Yes.

○ No.

○ Not sure.

15. If you answered yes to question 14, please tells us how completing a Carpentry workshop contributed to your research writing.

[   ]

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

[   ]

17. The statements below reflect ways in which completing a Carpentry 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.	○	○	○	○	○
I have been motivated to seek more knowledge about the tools I learned at the workshop.	○	○	○	○	○
I have made my analyses more reproducible as a result of completing the workshop.	○	○	○	○	○
I have received professional recognition for my work as a result of using the tools I learned at the workshop.	○	○	○	○	○
I have improved my coding practices as a result of completing the workshop.	○	○	○	○	○
My research productivity has improved as a result of completing the workshop.	○	○	○	○	○
I have gained confidence in working with data as a result of completing the workshop.	○	○	○	○	○

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

19. 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)

[   ]

20. 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)

[   ]

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

○ Yes.

○ No.

○ I don't remember.

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

Not at all likely   Neutral   Extremely likely

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

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

25. 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.

* 26. We are looking for participants to take part in a short interview about how the Carpentry workshop impacted their work/career. Additionally, we will have a drawing for a Carpentry "swag bag". You do not have to participate in the interview to take part in the drawing. Please indicate if you would like to participate in either of these opportunities. If yes, you will be providing your e-mail address on a separate survey. Your survey results will not be linked to your e-mail address.

◯ Yes

◯ No

Carpentry Long-Term Assessment Feedback Drawing

* 27. Please indicate your interest in our drawing and/or short interview.

☐ I would like to participate in the drawing only.

☐ I would like to be contacted to participate in a short interview only.

☐ I would like to participate in the drawing, and to be contacted to participate in a short interview.

* 28. Please give us your e-mail address. Your e-mail address will not be linked to your survey results.

[   ]