

Analysis of The Carpentries Long-Term Surveys

François Michonneau*

Kari L. Jordan†

April 1, 2020

Contents

Respondents Career Stage	1
Respondents Field of Research, Work, or Study	3
Number of Carpentries Workshops Completed	4
Time Since Completing a Carpentries Workshop	4
Last Carpentries Workshop Attended	5
Content Covered at Last Carpentries Workshop	5
Behaviors Adopted	6
Comparison of Programming Usage Pre- and Post-Carpentries Workshop	7
Change in Confidence in Tools Covered at Workshop	7
How Tools Help Respondents	8
Carpentries Workshop Contributing to Research	9
Potential Impact on Respondents	10
Involvement in Carpentries Community Post-Workshop	11
Respondents Participating in Learning Activities	12
Respondents Who Recommended a Carpentries Workshop	13
Recommendation and Net Promoter Scores	13
Respondents' Gender Identity	14
Respondents' Racial/Ethnic Identity	14

In the fourth quarter of 2019 The Carpentries collected feedback from community members who took a Carpentries workshop within six months. Find more information about this data collection period on our blog. We are excited to release the results of our long-term survey, and invite community members to use this data to champion The Carpentries far and near.

We released our first long-term survey results in October 2017. You can find the report and its source in the assessment GitHub repository.

The results included in this report only cover the data collected in 2019 (between November 1st, 2019 and January 2nd, 2020). This report includes the analysis of 176 responses but most questions are optional and specific questions have less answers.

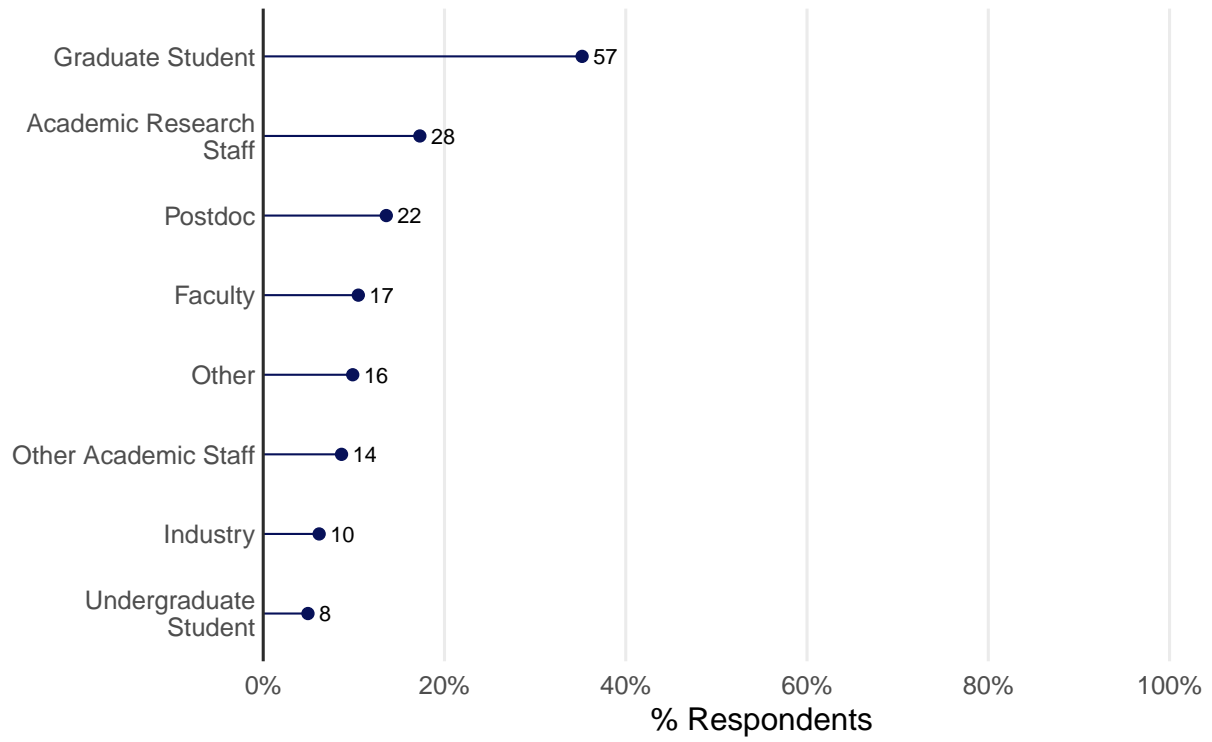
Respondents Career Stage

The majority of long-term survey respondents are graduate students. “Other academic staff” includes Librarians, Research Software Engineers, IT Staff, and Government Research Staff.

*<http://orcid.org/0000-0002-9092-966X>

†<https://orcid.org/0000-0003-4121-2432>

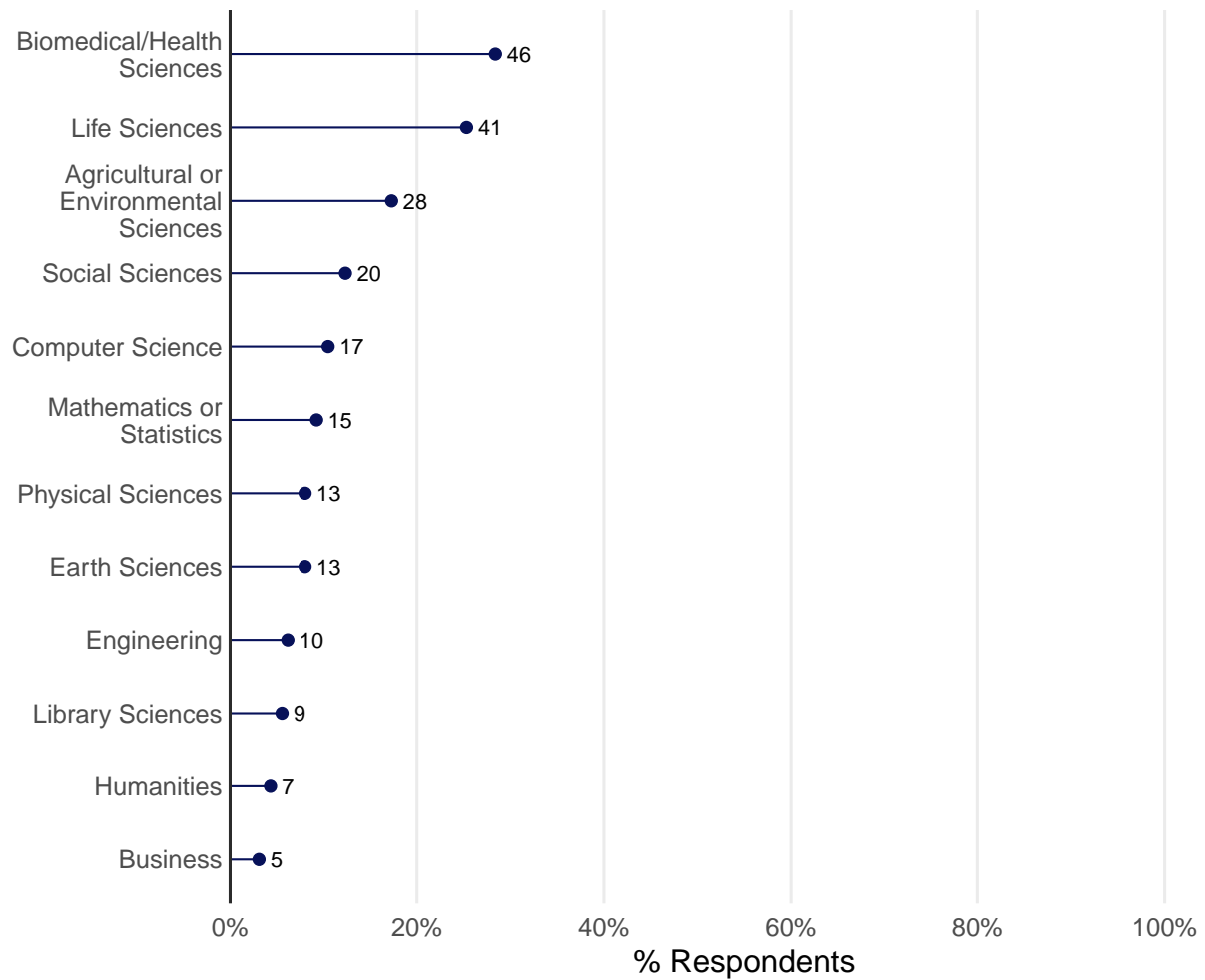
What is your current career stage? (n = 162)



Multiple answers allowed

Respondents Field of Research, Work, or Study

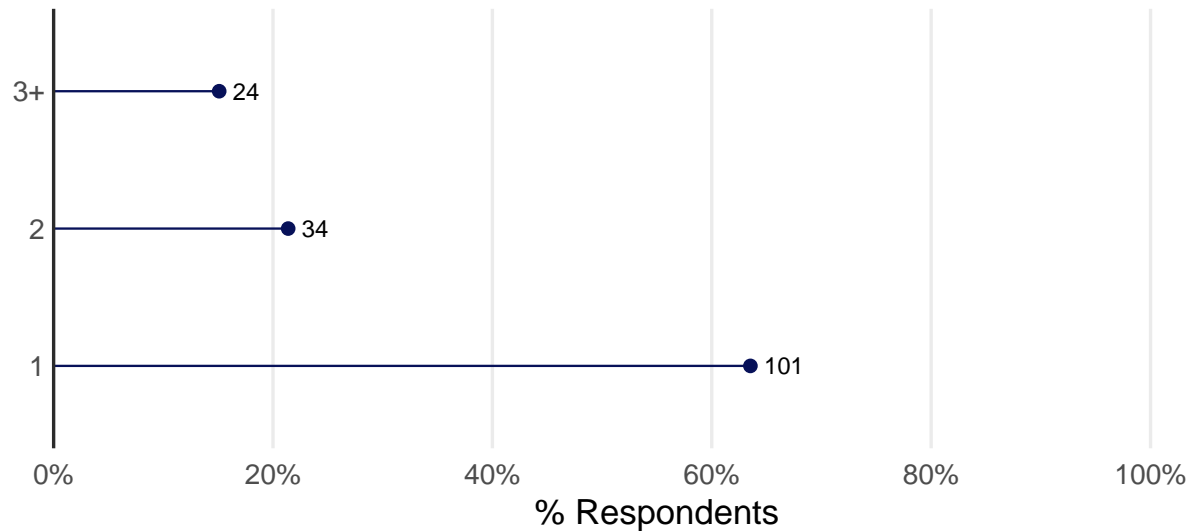
What is your field of research, work, or study? Check all that apply. (n = 162)



Multiple answers allowed

Number of Carpentries Workshops Completed

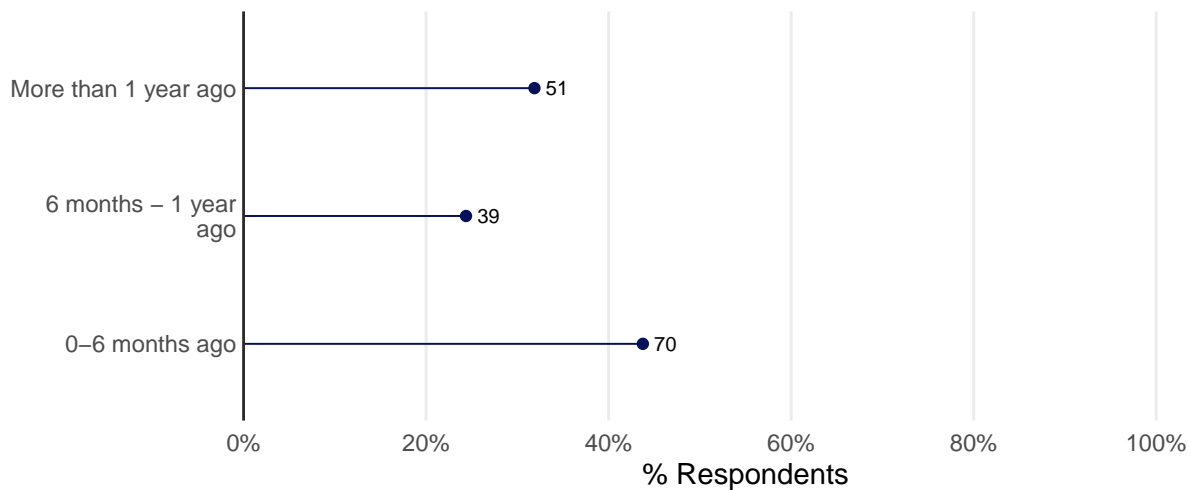
How many Carpentries (Software, Data, Library) workshops have you completed as a learner?



Number of answers reported on the graph

Time Since Completing a Carpentries Workshop

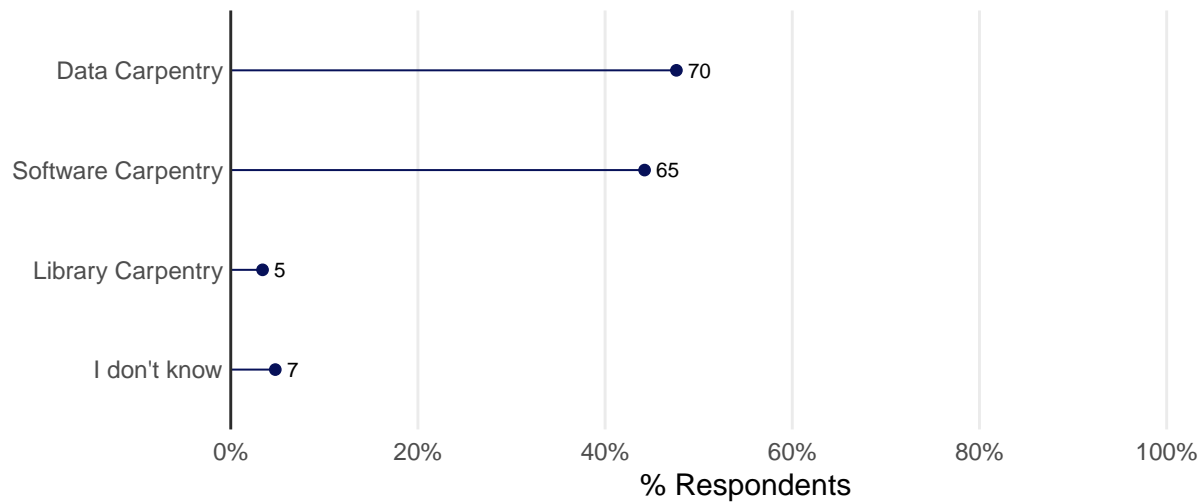
How long ago did you last complete a Carpentries workshop?



Number of answers reported on the graph

Last Carpentries Workshop Attended

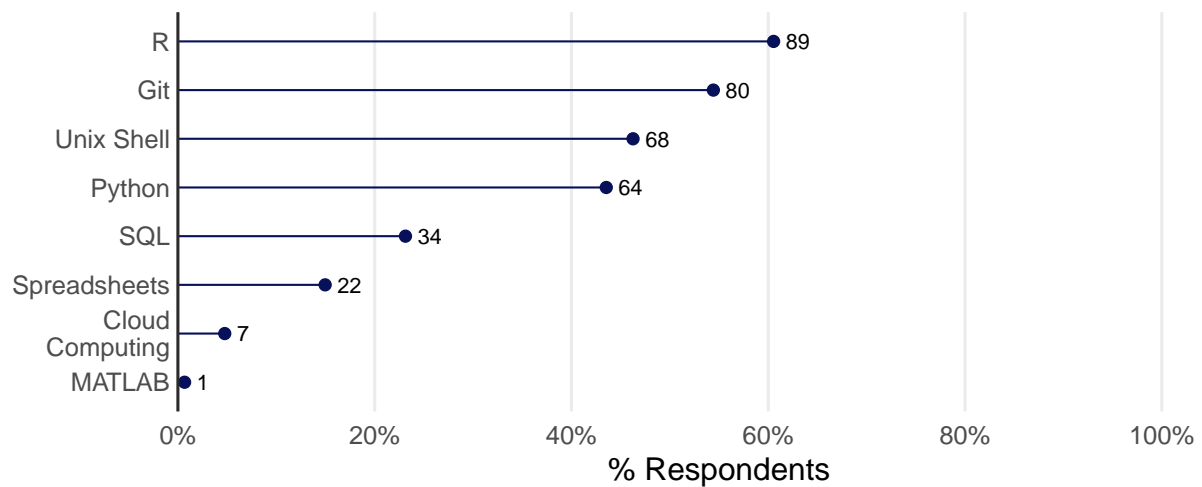
Which Carpentries workshop did you last attend?



Number of answers reported on the graph

Content Covered at Last Carpentries Workshop

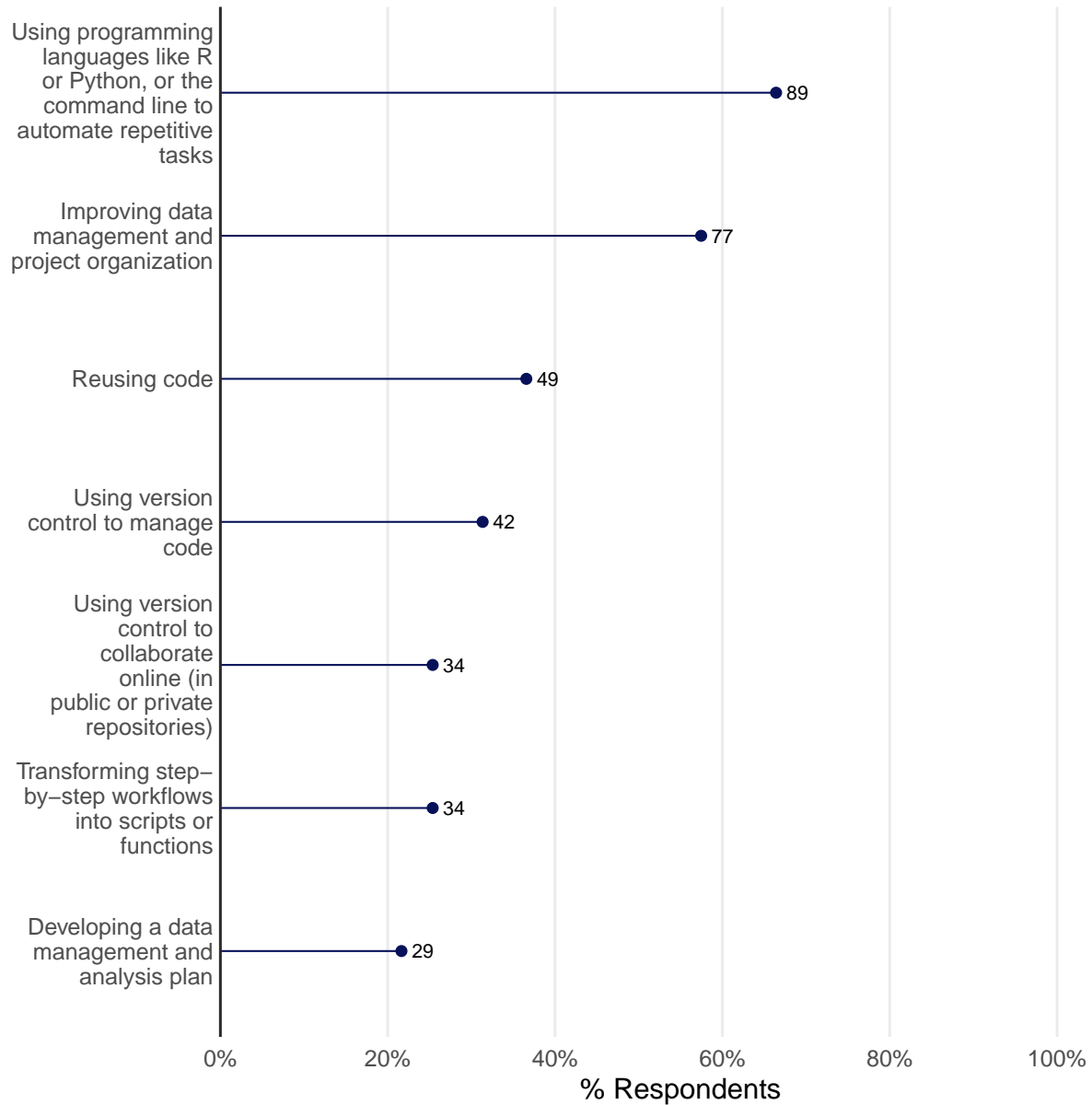
What content was covered at the last Carpentries workshop you attended? Select all that apply. (n = 147)



Multiple answers allowed

Behaviors Adopted

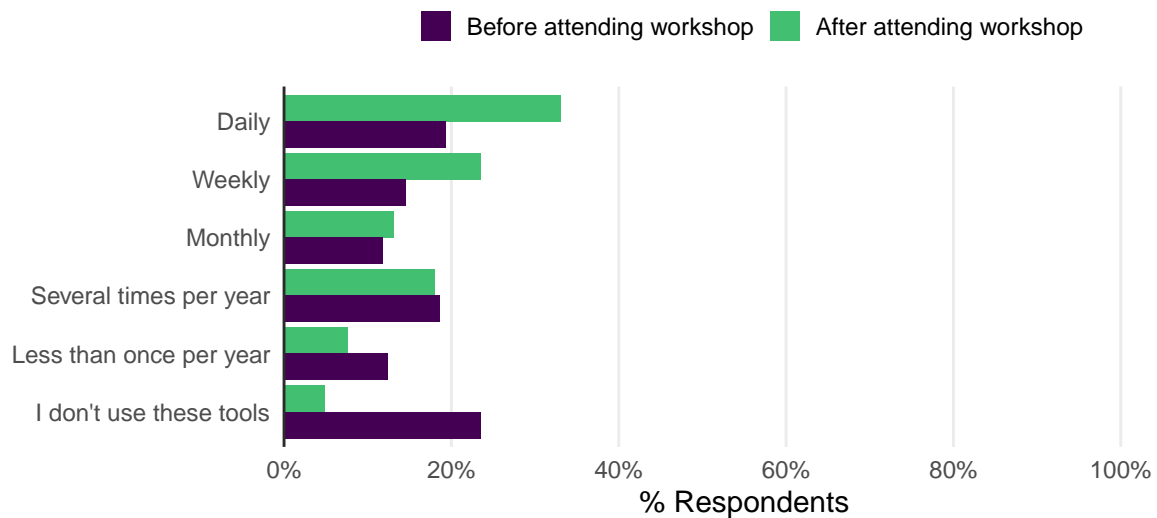
Which of the following behaviors have you adopted as a result of attending a Carpentries workshop? Check all that apply. (n = 134)



Multiple answers allowed

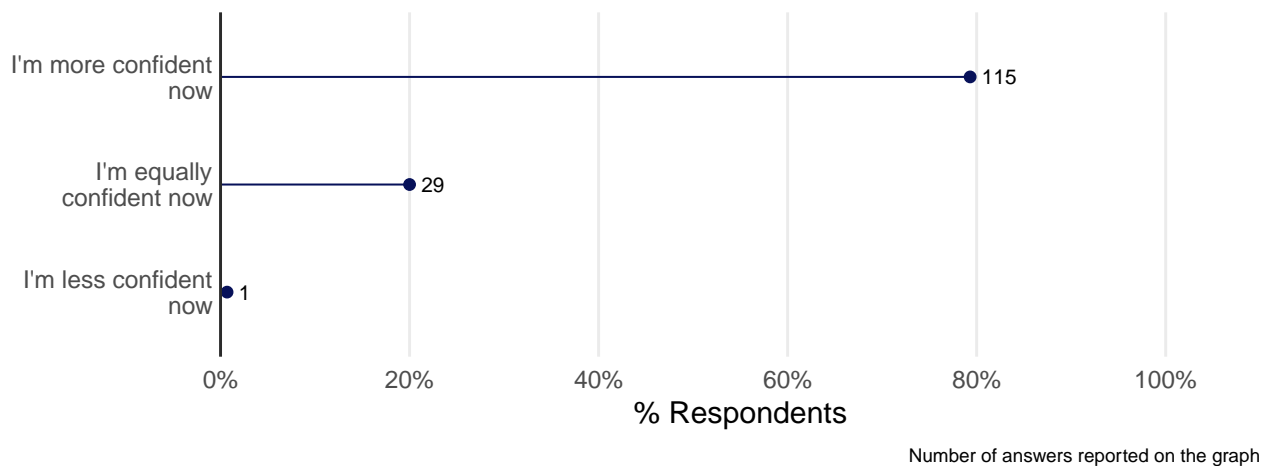
Comparison of Programming Usage Pre- and Post-Carpentries Workshop

How has the frequency of usage of programming language



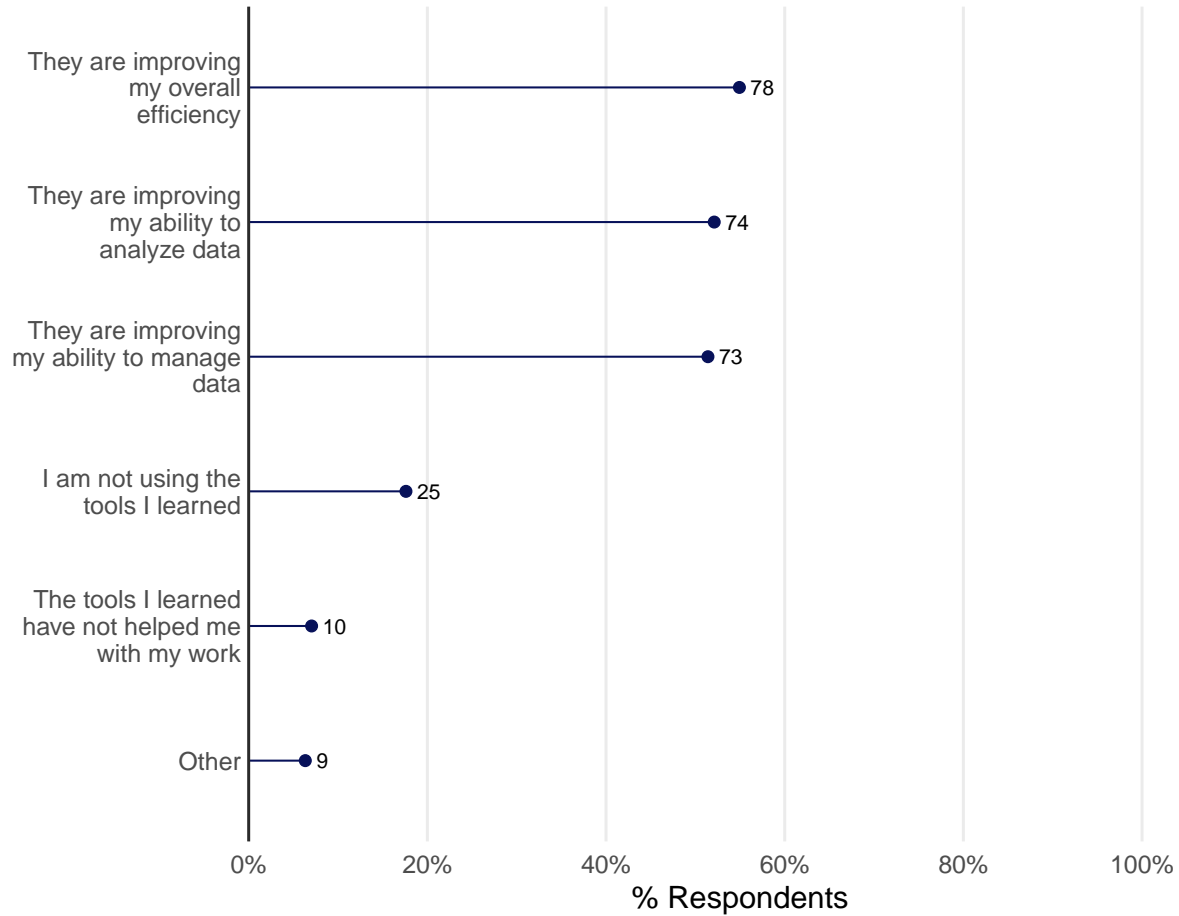
Change in Confidence in Tools Covered at Workshop

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



How Tools Help Respondents

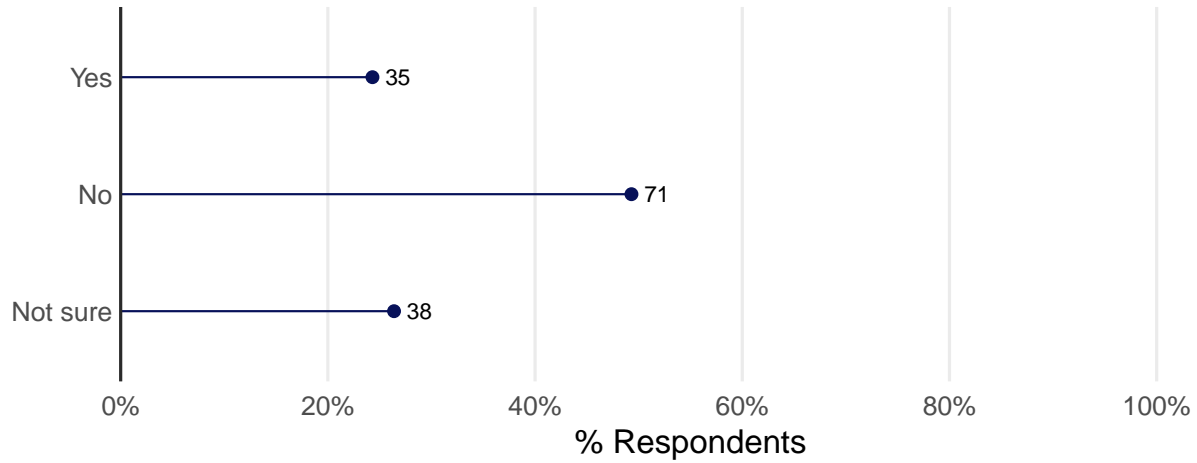
If you are using the tools you learned in a Carpentries workshop, how are they helping you? Check all that apply. (n = 142)



Multiple answers allowed

Carpentries Workshop Contributing to Research

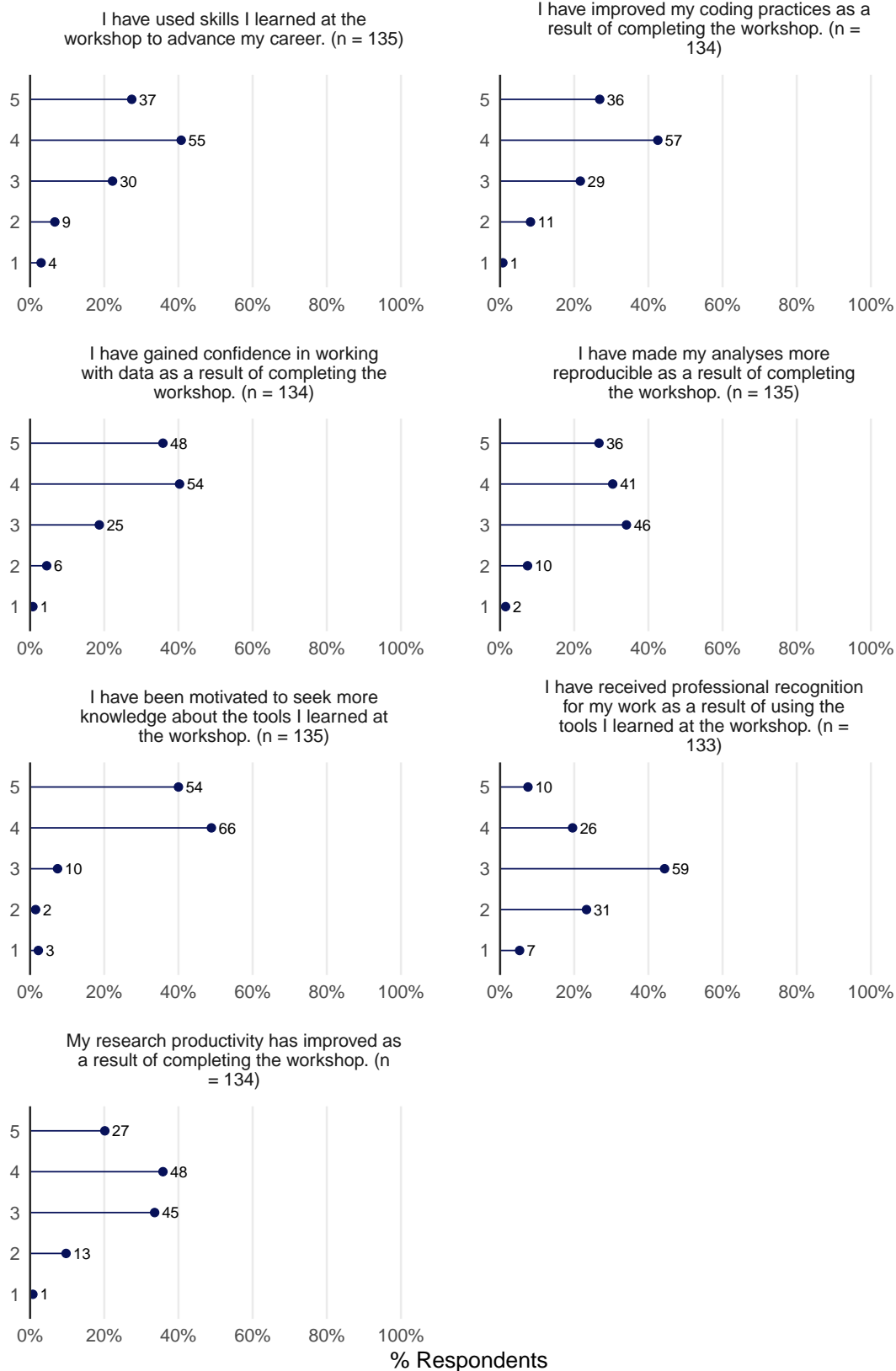
Has attending a Carpentries workshop contributed to your writing of a research article, thesis, dissertation, or grant proposal?



Number of answers reported on the graph

Potential Impact on Respondents

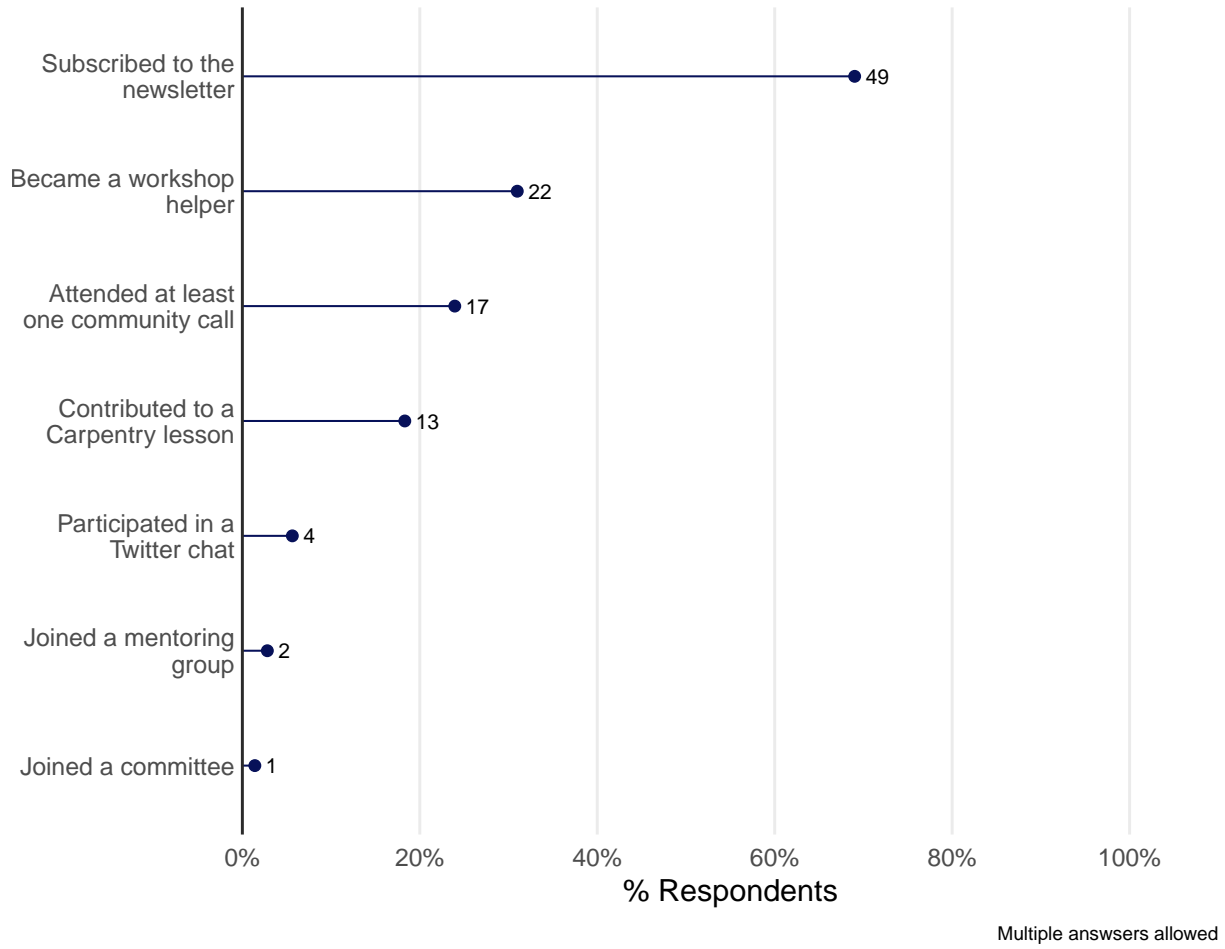
(1: Strongly disagree, 3: Neutral, 5: Strongly agree)



Number of answers reported on the graph

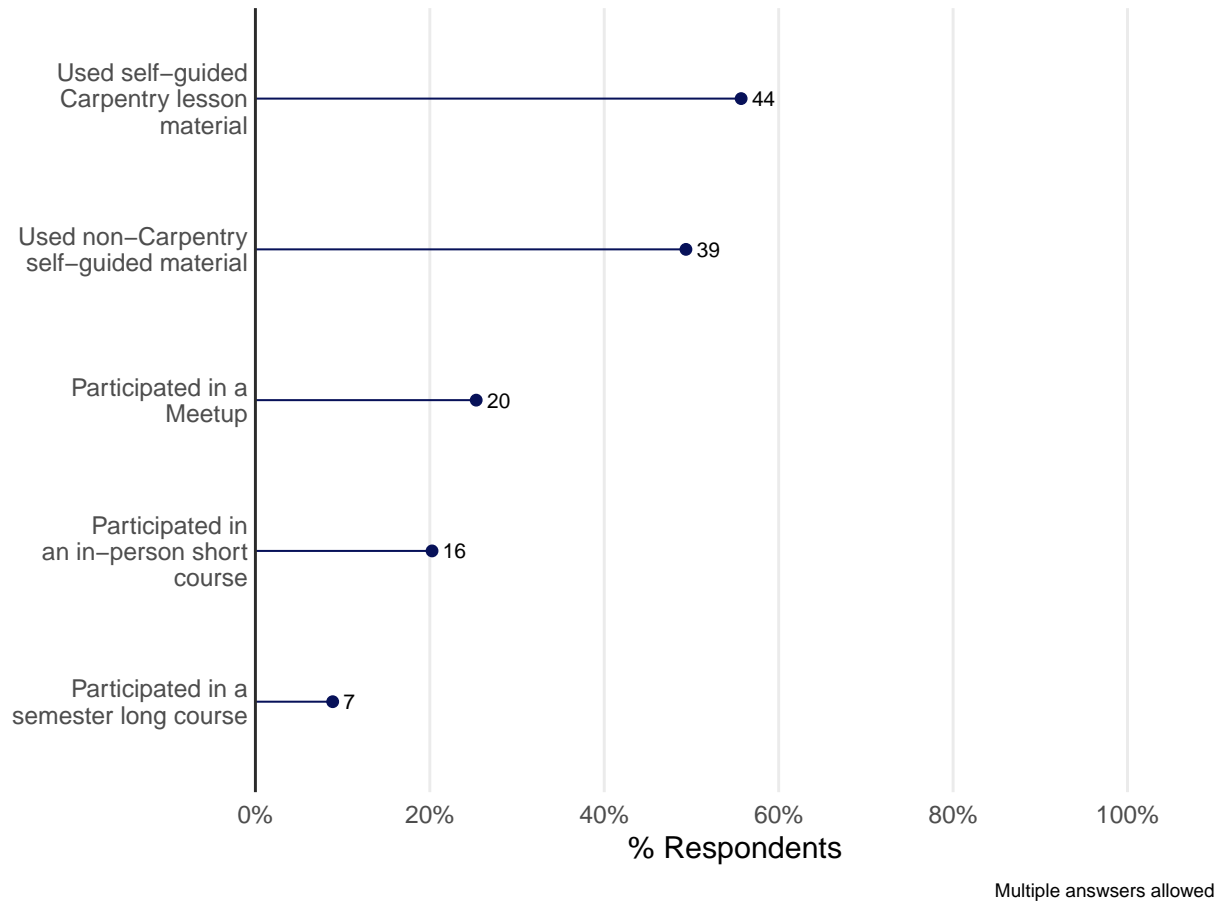
Involvement in Carpentries Community Post-Workshop

Please indicate your involvement in the Carpentries community since attending a Carpentries workshop. Check all that apply. (n = 71)

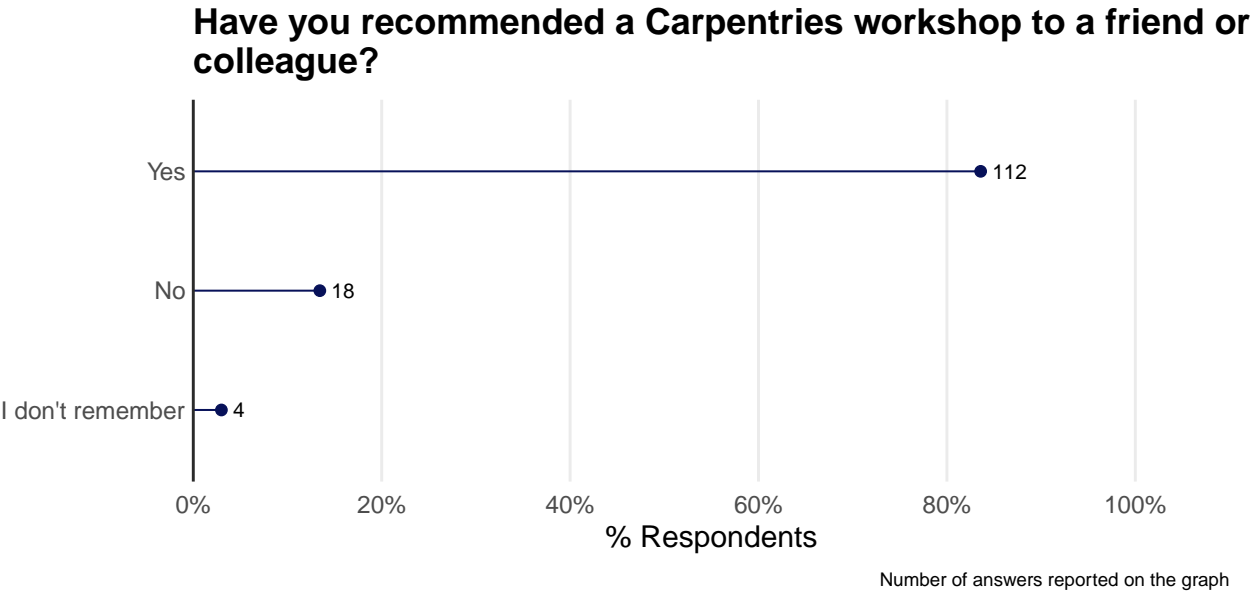


Respondents Participating in Learning Activities

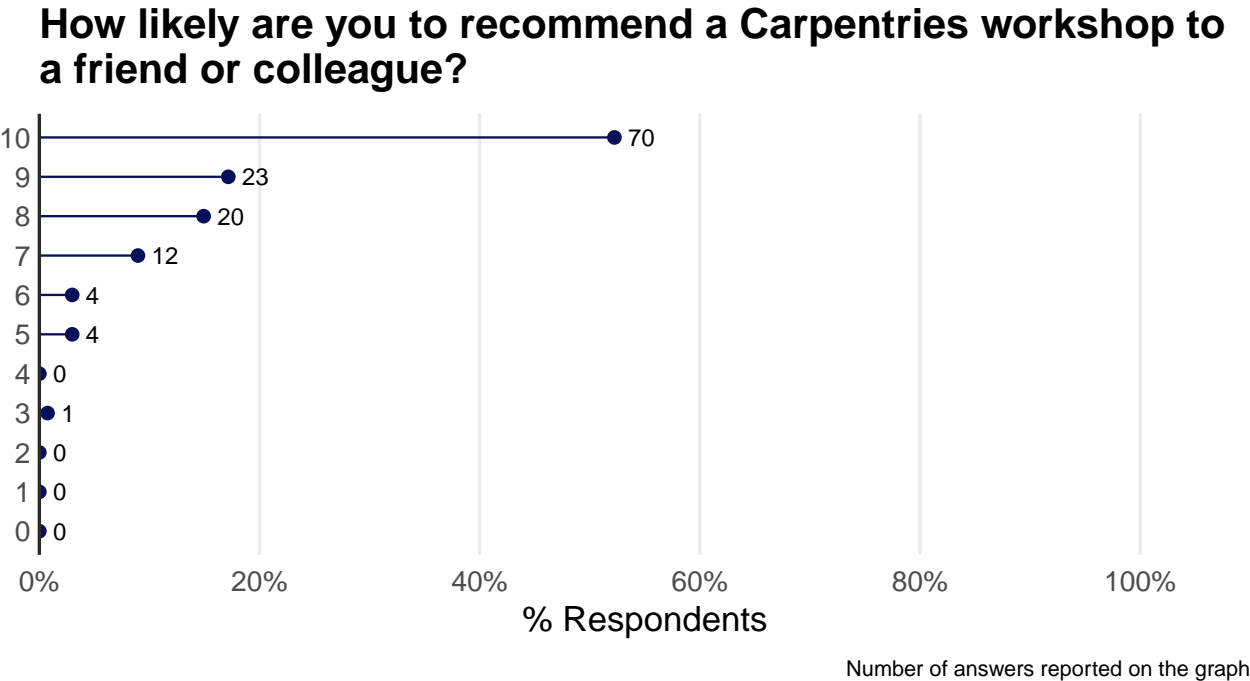
Which of the following learning activities (for data management and analysis) have you participated in since attending a Carpentries workshop? Check all that apply. (n = 79)



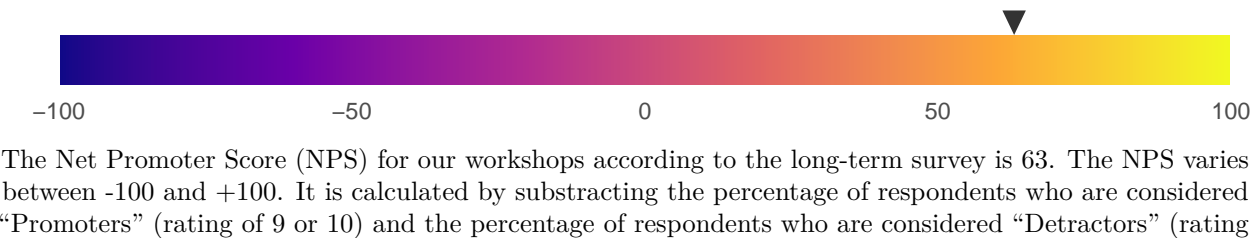
Respondents Who Recommended a Carpentries Workshop



Recommendation and Net Promoter Scores



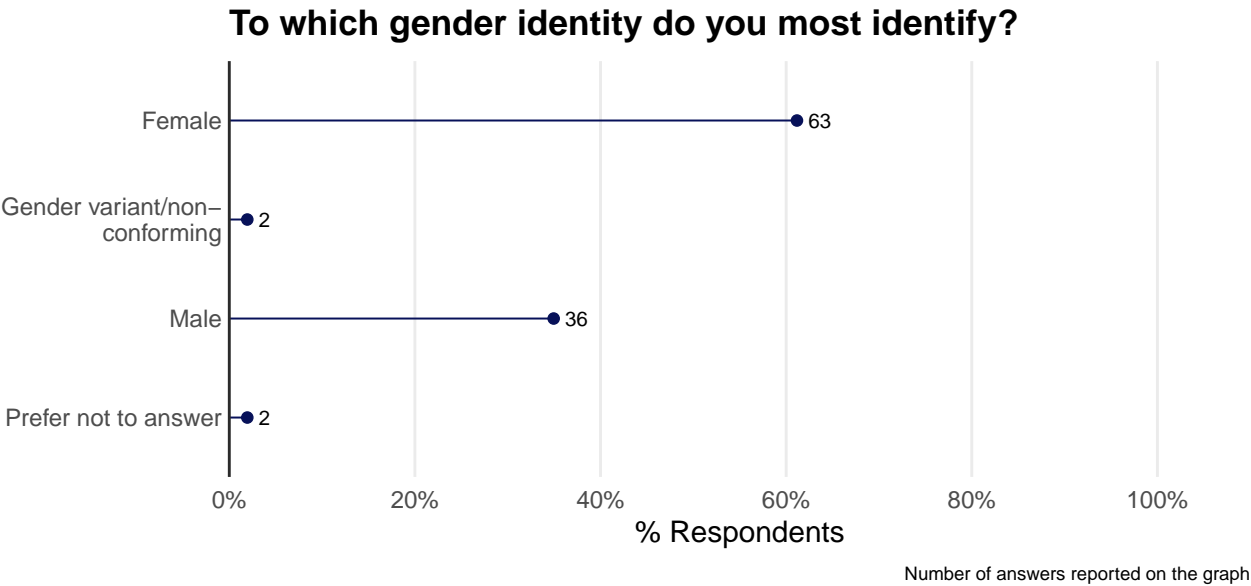
Net Promoter Score



equal or below 6). A positive NPS is deemed good, a NPS above 50 is deemed excellent, and an NPS above 70 is exceptional.

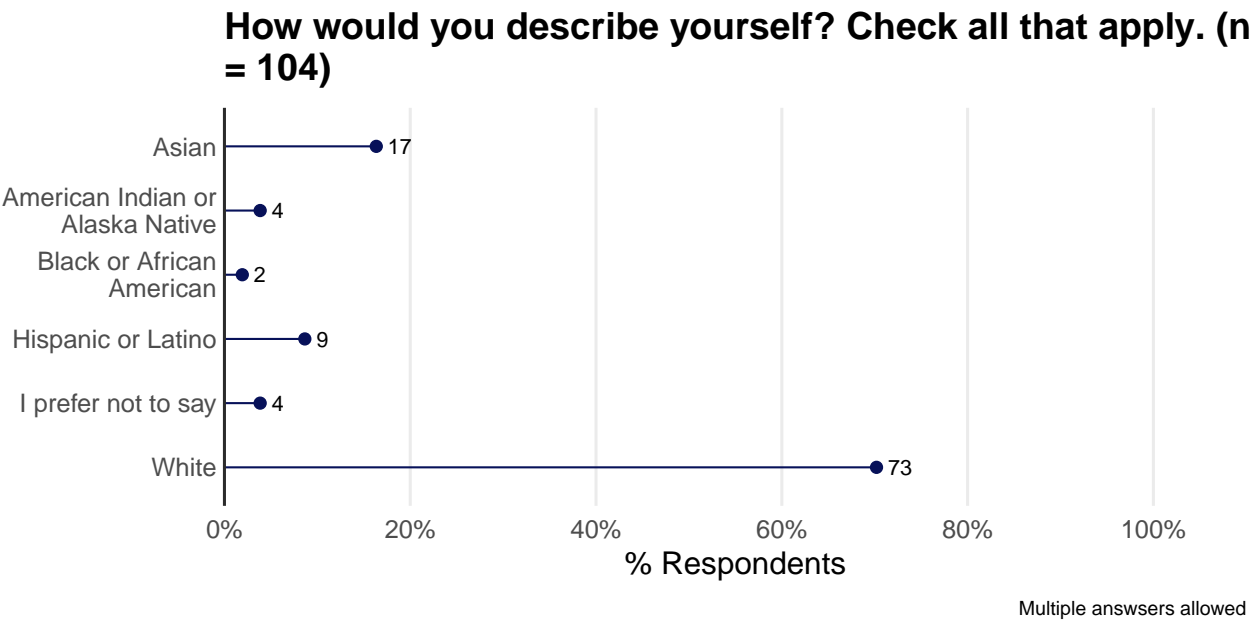
Respondents’ Gender Identity

Note: Gender identity responses apply to U.S. survey respondents only.



Respondents’ Racial/Ethnic Identity

Note: Racial/ethnic identity responses apply to U.S. survey respondents only.



Label on Plot	Description in Survey
I prefer not to say	I prefer not to say
White	White (A person having origins in any of the original peoples of Europe, the Middle Ea
Hispanic or Latino	Hispanic or Latino(a) (A person of Spanish-speaking origin or ancestry and/or Latin A

Label on Plot	Description in Survey
Black or African American	Black or African American (A person having origins in any of the Black racial groups of Africa)
Asian	Asian (A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent)
American Indian or Alaska Native	American Indian or Alaska Native (A person having origins in any of the original peoples of North America)