

Software Carpentry Boot Camp Pre-Survey

Software Carpentry would appreciate your feedback. We would like to know more about the your relationship to computational science at the start of the boot camp.

Completion of this survey is completely voluntary, and you can withdraw at any time or refuse to answer any particular question without penalty. Responses will be de-identified prior to reporting of aggregate results to Software Carpentry personnel. By completing this questionnaire, you are acknowledging that any collected responses can be used in reports or presentations. This survey should take no longer than 10 minutes to complete.

Please provide your name and email address below. This will be used to match pre- and post-workshop surveys. Surveys will be immediately de-identified.

Name: _____

Email: _____

A. Please indicate your level of ability with each of the following concepts, tools, or approaches.

	High Ability	Intermediate Ability	Low Ability	No Ability
Python coding				
Python debugging				
Unix scripting				
Unit testing				
Version control				
Databases				

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B. Please indicate your degree of agreement with each of the following statements about programming in Python.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I can write syntactically correct Python statements.				
I can explain the difference between a <code>for</code> and <code>while</code> loop.				
I can explain the difference between a list and a dictionary.				
I can write a Python program that displays a greeting message.				
I can write a Python program that computes the average of any set of numbers.				
I can recognize if my program is stuck in an infinite loop.				
I can write a Python program to solve a problem that is familiar to me.				
I can use a third-party library (like <code>matplotlib</code> or <code>numpy</code>) in a project.				
I can design a Python program in a modular manner.				
I can read and parse my data files in Python.				
I <u>cannot</u> complete a programming project unless someone else helps me get started.				
I can write a program to calculate word frequency for an input text file.				
I can combine strings for the purpose of writing to a text file.				
I can write a function that returns a single integer result.				
I can write a program that someone else can comprehend.				

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C. Please indicate your degree of agreement with each of the following statements about databases.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I can create a new table in a database.				
I can create an entry in a table.				
I can remove an entry from a table.				
I can explain the difference between a primary key and a foreign key.				
I can search for entries in a single table with a given field value.				
I can search for entries in a given table, based on values in another table.				
I can write a query that returns my values sorted in a ascending order by a given attribute.				
I can design a database according to my needs.				
I cannot create a database for my data unless someone shows me how.				

D. Please indicate your degree of agreement with each of the following statements about version control.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I know what version control is.				
I can create a new git repository.				
I can clone an existing git repository.				
I can collaborate with my coworkers using version control.				
I can fork an existing git repository.				
I can explain how version control benefits my work practices to a peer.				

E. Open-ended questions

In three sentences or less, please describe why you are taking this workshop.

Please provide any comments about your expectations for the workshop below.