(This pre-assessment form is a material modified from Software Carpentry. The original can be found at: [http://software-carpentry.org](http://software-carpentry.org/))

1. Your name
2. Your email address
3. What is your career stage?
   * Undergraduate
   * Graduate
   * Post-doc
   * Faculty
   * Industry
   * Support staff
   * Other:
4. Which of the following most closely aligns with your primary discipline?
   * Space sciences
   * Physics
   * Chemistry
   * Earth sciences (geology, oceanography, meteorology)
   * Life science (ecology, zoology, botany)
   * Life science (biology, genetics)
   * Brain and neurosciences
   * Medicine
   * Engineering (civil, mechanical, chemical)
   * Computer science and electrical engineering
   * Economics
   * Humanities and social sciences
   * Tech support, lab tech, or support programmer
   * Administration
   * Other:
5. In three sentences or less, please describe your current field of work or research question.
6. What operating system will you use on the laptop you bring to the workshop? (if you bring any; you can also use the University workstations running Windows)
   * Linux
   * Apple OS X
   * Windows
   * I do not know what operating system I use.
   * I am not bringing a laptop to the workshop.
   * Other:
7. What best describes how often you currently program?
   * I have never programmed.
   * I program less than one a year.
   * I program once a year.
   * I program several times a year.
   * I program once a month.
   * I program once a week or more.
8. What best describes the complexity of your programming? (Choose all that apply.)
   * I have never programmed.
   * I write scripts that are a few lines long to analyze data.
   * I write programs that are a page or two long for my own use.
   * I write programs that are many pages long for my own use and for others to use.
   * I am primarily a programmer.
9. With which programming languages could you write a program from scratch that reads a column of numbers from a text file and calculates mean and standard deviation of that data?
   * I do not use any programming languages.
   * C
   * C++
   * Perl
   * MATLAB
   * Python
   * R
   * Java
   * Other(s):
10. A tab-delimited file has two columns showing the date and the highest temperature on that day. Write a program to produce a graph showing the average highest temperature for each month.
    * I could not complete this task.
    * I could complete the task with documentation or search engine help.
    * I could complete the task with little or no documentation or search engine help.
11. How familiar do you think you are with the command line?
    * I am not familiar at all with the command line.
    * I am familiar only with the name command line.
    * I am familiar with the command line but have never used it.
    * I am familiar with the command line because I have or am using it.

11b. Answer only if you answered (4) on the previous question. How would you solve this problem? A directory contains 1000 text files. Create a list of all files that contain the word "Drosophila" and save the result to a file called results.txt.

* I could not create this list.
* I would create this list using "Find in Files" and "copy and paste".
* I would create this list using basic command line programs.
* I would create this list using a pipeline of command line programs.

1. A database has two tables Scientist and Lab. The Scientist table's columns are the scientist's student ID, name, and email address; the Lab table's columns are lab names, lab IDs, and scientist IDs. Write an SQL statement that outputs a count of the number of scientists in each lab.
   * I could not complete this task
   * I could do it easily
   * I could struggle through
   * Tool I would use:
2. How familiar do you think you are with version control?
   * I am not familiar with version control.
   * I am familiar only with the name.
   * I am familiar with version control but have never used it.
   * I am familiar with version control because I have used it or am using it.
   * Version control system I am familiar with (if any):

13b. Answer only if you answered (4) on the previous question. Given the URL for a project's version control repository, check out a working copy of that project, add a file called notes.txt, and commit the change.

* I could not complete this task.
* I could complete the task with documentation or search help.
* I could complete the task with little or no documentation or search help.