**Introduction to Scientific Computing: A Crash Course**

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Worksheet 1\_1

1. Go to the following website: ####### and download the following zip file: ########

2. Open the terminal, what directory are you currently in?

3. We are now going to create directories for the upcoming parts of the workshop. Create a folder for this workshop, this can be done wherever you want to but we recommend the desktop

a. What did you name the directory?

b. What is the absolute path to this new directory?

4. Now copy the zip file that you downloaded in step 1 to that newly created directory

a. Where was the zip file originally?

b. What command did you use to copy the zip file?

5**.** Now navigate to the new folder that you created

a. What command did you use to get to the new directory?

b. Did you use the absolute or relative path to navigate to the new directory?

6. Now lets double check that we have a copy of the zip file in the new directory, what command do you use to check this?

7. Use the following command to unzip the file:

unzip filename.zip

These files are going to be used in the upcoming parts of this workshop

8. Now create three new directories within the directory you made in step 3. These three directories should be called:

Part1\_3\_databases

Part1\_4\_Fast

Part2\_python

9. We are now going to move the files within the unzipped folder to these new folders:

a. Move ###### to folder Part1\_3\_databases, move ###### to folder Part1\_4\_Fast and move ###### to folder Part2\_python

b. What commands did you use?

10. Now delete we are going to delete the files we don’t need anymore

a. Delete the zip file, what command did you use?

b. Delete the directory created when you unzipped the file, what command did you use?

11. We want to look at one of the files that we got

a. What command would you use to look at ######?

b. What is on the first line of that file?

12. Now we are going to examine our $PATH:

a. What command do we use to look at our $PATH?

b. If we want to add the folder created in part to our $PATH just for the current session,

What command would we use to do this?

c.In the command above did you need to put the absolute or relative PATH of the directory?