

Resources for Continue Learning

1. Lessons:

- Shell: <https://swcarpentry.github.io/shell-novice/>
- Git: <https://swcarpentry.github.io/git-novice/>
- Gapminder:
 - Python: <https://swcarpentry.github.io/python-novice-gapminder/>
 - R: <http://swcarpentry.github.io/r-novice-gapminder>
- Ecology:
 - R: <http://datacarpentry.github.io/R-ecology-lesson/>
- Other Carpentry Lessons: <http://software-carpentry.org/lessons/>

2. SWC Reference (Includes Summaries of Basic Commands):

- shell: <https://swcarpentry.github.io/shell-novice/reference/>
- git: <https://swcarpentry.github.io/git-novice/reference/>
- Gapminder
 - python: <https://swcarpentry.github.io/python-novice-gapminder/reference/>
 - R: <http://swcarpentry.github.io/r-novice-gapminder/reference/>

3. Additional Resources

- Shell:
 - Cool website that can dissect your shell commands (super useful for troubleshooting): <http://explainshell.com/>
- Python:
 - Python documentation: <https://www.python.org/doc/>
 - List of python tutorials: <https://www.fullstackpython.com/best-python-resources.html>
 - Python floating point Issues and Limitations: <https://docs.python.org/3/tutorial/floatingpoint.html>

4. Python and R:

- Code Academy: <https://www.codecademy.com/>
- Code: <http://code.org>
- Lynda: <http://lynda.ou.edu>
- Udacity <https://udacity.com>

5. Git/GitHub:

- Guide to Markdown on Github: <https://guides.github.com/features/mastering-markdown/>
- Intro to Github work flow: <https://guides.github.com/introduction/flow/>
- Forking projects on Github: <https://guides.github.com/activities/forking/>
 - perks: Students are eligible for a free Github education account (unlimited private repositories) <https://education.github.com>

6. Plotting:

- What chart do I use?
 - http://extremepresentation.typepad.com/blog/2006/09/choosing_a_good.html
- What slide do I use?
 - <http://extremepresentation.typepad.com/blog/2015/01/announcing-the-slide-chooser.html>
- Pandas visualization examples:
 - <http://pandas.pydata.org/pandas-docs/version/0.18.1/visualization.html>
- Matplotlib visualization examples:
 - <http://matplotlib.org/gallery.html>

7. Library(package) documentation:

- matplotlib: <http://matplotlib.org/>
- pandas: <http://pandas.pydata.org/>
- ggplot2: <http://ggplot2.org/>

8. Cheatsheets:

- Pandas: https://github.com/pandas-dev/pandas/raw/master/doc/cheatsheet/Pandas_Cheat_Sheet.pdf
- ggplot2: <http://www.rstudio.com/wp-content/uploads/2015/03/ggplot2-cheatsheet.pdf>
- dplyr: <https://github.com/rstudio/cheatsheets/raw/master/data-transformation.pdf>
- tidyr: <https://github.com/rstudio/cheatsheets/raw/master/data-import.pdf>

9. Other:

- A comparison of several text editors for coding:
 - https://developer.mozilla.org/en-US/docs/Learn/Common_questions/Available_text_editors
- What programming language is right for you:
 - <http://www.bestprogramminglanguagefor.me/>

10. Lite Reading:

- <https://www.bloomberg.com/graphics/2015-paul-ford-what-is-code/>