Resources for Continue Learning

1. Lessons Software Carpentry
    - 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
    - Other Carpentry Lessons: http://software-carpentry.org/lessons/
2. Lessons Data Carpentry (Ecology)
    - Overview: http://www.datacarpentry.org/ecology-workshop/
    - Spreadsheets: http://datacarpentry.github.io/spreadsheet-ecology-lesson/
    - OpenRefine: http://datacarpentry.github.io/OpenRefine-ecology-lesson/
    - SQL: http://datacarpentry.github.io/sql-ecology-lesson/
    - Visualization using R: http://datacarpentry.github.io/R-ecology-lesson/
    - Other Carpentry Lessons: http://www.datacarpentry.org/lessons/
3. SC Reference (Includes Summaries of Basic Commands):
    - shell: https://swcarpentry.github.io/shell-novice/reference/
    - git: https://swcarpentry.github.io/git-novice/reference/
    - Gapmider
        - python: https://swcarpentry.github.io/python-novice-gapminder/reference/
        - R: http://swcarpentry.github.io/r-novice-gapminder/reference/
4. DC Reference:
    - Spreadsheets: http://www.datacarpentry.org/spreadsheet-ecology-lesson/reference/
    - OpenRefine: http://www.datacarpentry.org/OpenRefine-ecology-lesson/reference/
    - SQL: http://www.datacarpentry.org/sql-ecology-lesson/reference/
    - Visualization using R: http://www.datacarpentry.org/sql-ecology-lesson/reference/
5. 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

6. Python and R
   - Code Academy: https://www.codecademy.com/
   - Code: http://code.org
   - Lynda: http://lynda.ou.edu
   - Udacity: https://udacity.com
7. Git/GitHub
   - Guide to Markdown on Github: https://guides.github.com/features/mastering-markdown/
   - Intro to Github workflow: 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
8. 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
9. Library(package) documentation:
    - matplotlib: http://matplotlib.org/
    - pandas: http://pandas.pydata.org/
    - ggplot2: http://ggplot2.org/
0. 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
1. 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/
2. Lite Reading
    - What is Code? https://www.bloomberg.com/graphics/2015-paul-ford-what-is-code/