

# 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/>
  - Gapminder
    - 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>
- InLearning (OU): <https://www.linkedin.com/learning>

## 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/>

## 8. Plotting

- What chart do I use?
  - [http://extremepresentation.typepad.com/blog/2006/09/choosing\\_a\\_good.html](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: <https://ggplot2.tidyverse.org/>
- tidyverse: <https://www.tidyverse.org/>

## 10. Cheatsheets

- [Pandas](#)
- [ggplot2](#)
- [dplyr](#)
- [tidyr](#)

## 11. Other

- A comparison of several text editors for coding:
  - [https://developer.mozilla.org/en-US/docs/Learn/Common\\_questions/Available\\_text\\_editors](https://developer.mozilla.org/en-US/docs/Learn/Common_questions/Available_text_editors)

- What programming language is right for you:
  - <http://www.bestprogramminglanguagefor.me/>

## 12. Other Readings

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