Additional Resources

R

- PSYC 251 cheatsheet: http://stanford.edu/class/psych252/cheatsheets/index.html#r-cheatsheet
- On dataframes: http://www.r-tutor.com/r-introduction/data-frame
- On factors: https://swcarpentry.github.io/r-novice-inflammation/12-supp-factors/
- Useful functions for working with factors can be found in the package "forcats" (included in tidyverse): https://forcats.tidyverse.org/
- ggplot:
    - PSYCH 252 examples: http://stanford.edu/class/psych252/plots/index.html
    - PSYC 252 cheatsheet: http://stanford.edu/class/psych252/cheatsheets/index.html#r-cheatsheet
- Programming with R: https://software-carpentry.org/lessons/
- Tobias Gerstenberg R Tutorial: https://tobiasgerstenberg.github.io/r_tutorial/r_tutorial.html
- Very useful explanation on piping (%>%) in R: https://cfss.uchicago.edu/notes/pipes/#:~:text=Pipes%20are%20an%20extremely%20useful,code%20and%20combine%20multiple%20operations.
- Style guidelines for good coding practices: https://style.tidyverse.org/ and https://google.github.io/styleguide/Rguide.html

Python

- Programming with Python: https://swcarpentry.github.io/python-novice-inflammation/
- CNJCx Practical Python: https://stanford-cnjc.github.io/#/CNJCx
- NeuroMatch Academy's Python for Neuroscience:
    - https://github.com/NeuromatchAcademy/course-content/tree/master/tutorials/W0D1_PythonWorkshop1
    - https://github.com/NeuromatchAcademy/course-content/tree/master/tutorials/W0D2_PythonWorkshop2
- Style guidelines for good coding practices: https://www.python.org/dev/peps/pep-0008/

Bash

- The Unix Shell: http://swcarpentry.github.io/shell-novice/
- Command line essentials (by CNJCx): https://docs.google.com/presentation/d/1rcqEJfP3mozdBb4Eg1NUxhaoWN8_TOKAL-aRteAB9XU/edit
- Bash materials: https://github.com/erindb/bootcamp/blob/master/bash.pdf

Git

- Version Control in Git: http://swcarpentry.github.io/git-novice/

Open Science

- Data sharing: https://docs.google.com/document/d/1k7f23L4WqDGUUGjkUf03emLlsdDLRr4aponQ6jOFv1s/edit#heading=h.avvkdpuzj80g
- Code sharing: https://docs.google.com/document/d/1sirA13NJsmxpI6DTdHhX4qAKcAz2q8155v--pDmAvNE/edit#heading=h.sd5f9oy405b5
- The FAIR Principles: https://www.nature.com/articles/sdata201618
- Reproducible manuscripts: https://docs.google.com/document/d/1g8GglJWHme1c4ffeVQd3Sn3S9u6enwQ_Q_BaNI19Lc/edit#heading=h.las9uqpyrzg3
- Reproducible data analysis: https://docs.google.com/document/d/1xQywZPrNDLkGPlsCVhCKT5yWBD-Rko0fGk2pjH_eCng/edit#heading=h.ls8jlrwpy9vb
- Pre-registration best practices: https://docs.google.com/document/d/1bh-Cn7U1jo8K5BqVF9aWWgbiap4GYB8PTZOrJpbr9W8/edit
- Stanford Center for Reproducible Neuroscience: https://reproducibility.stanford.edu/