

Data Management Resources

OpenRefine: <https://openrefine.org/>

OpenRefine is a powerful tool for working with messy data: cleaning it; transforming it from one format into another; and extending it with web services and external data.

An online tutorial can be found here: <https://datacarpentry.org/openrefine-socialsci/setup.html>

Data Analysis Resources

Python: SciPy www.scipy.org

SciPy is a free and open-source Python library used for scientific computing and technical computing.

R Water Quality Package:

<https://cran.r-project.org/web/packages/wql/vignettes/wql-package.html>

To dive further in-depth into R analysis, the Water Quality package may come in handy. Though reshaping data is necessary, this package contains functions to assist in the processing and exploration of data from monitoring programs for aquatic ecosystems.

Plot inspiration

- A list of some of the most beautiful R plots and how to make them:
<http://r-statistics.co/Top50-Ggplot2-Visualizations-MasterList-R-Code.html>

Data Communication Resources

Accessibility

- Microsoft inclusive design guide: <https://www.microsoft.com/design/inclusive/>
- Choosing accessible colour maps: <http://colorbrewer2.org/>
- Empathy prompts <https://empathyprompts.net/>

Example Water Quality Reports

- LaHave <https://www.coastalaction.org/lahave-watershed.html>
- CARP <https://www.annapolisriver.ca/publications>