

Useful Links for Reproducible Science

Git

EcoLac Presentation and Workshop on GitHub: <https://github.com/ekatko1/git-rganized>

Using Git/GitHub in RStudio. <https://happygitwithr.com/rstudio-git-github.html> Explore this online book for additional information about using git, github. There is information about using “Git BASH” in the Appendix.

OSF

Pre-register hypotheses (also a project management framework): <https://osf.io/>

Estimated marginal means (e.g. effect sizes)

Intro: <https://aosmith.rbind.io/2019/03/25/getting-started-with-emmeans/>

Vignettes: <https://cran.r-project.org/web/packages/emmeans/vignettes/basics.html#backstory>

RMarkdown

Cheat sheet: <https://rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf>

Tip: just like in normal R scripts, you can use Ctrl+Enter to run a line of code in either code chunks or inline code.

Complete guide (book) to RMarkdown: <https://bookdown.org/yihui/rmarkdown/installation.html>

List of code chunk options for altering how code and code output is displayed.

https://yihui.name/knitr/options/#chunk_options

Guide for formatting RMarkdown output to docx files using Word styles:

https://rmarkdown.rstudio.com/articles_docx.html

Instruction for creating citations in RMarkdown:

https://rmarkdown.rstudio.com/authoring_bibliographies_and_citations.html

Zenodo

Zenodo is a great way to share code and data since it is possible to create new versions and have your manuscript to link to the most up-to date version (using DOI). <https://zenodo.org/>

It is also possible to link GitHub directly to Zenodo to assign a DOI to your GitHub repository:

<https://guides.github.com/activities/citable-code/>

Wikipedia

“Impact of Wikipedia” Video: https://en.wikipedia.org/wiki/File:The_Impact_Of_Wikipedia.webm

Page on the Replication Crisis: https://en.wikipedia.org/wiki/Replication_crisis