

Intro to RMarkdown

Reproducibility Series: Part 3
Cornell Center for Social Sciences
3/24/2022

The Cornell Center for Social Sciences provides a welcoming environment for everyone embracing all backgrounds or identities. All instructors and attendees agree to abide by our community norms. We encourage the following behaviors in our workshops:

- ▶ Respect differing viewpoints and ideas
- ▶ Share your own perspectives and ask any questions
- ▶ Accept constructive criticism
- ▶ Use welcoming and inclusive language
- ▶ Show courtesy and respect for all instructors and attendees

If you believe that an instructor or attendee has violated the code of conduct, please report the violation to ccss-researchsupport@cornell.edu. We take all reported incidents seriously.

Land Acknowledgement

Cornell University is located on the traditional homelands of the Gayogohó:nq' (the Cayuga NatiCCSS-RS@cornell.eduon). The Gayogohó:nq' are members of the Haudenosaunee Confederacy, an alliance of six sovereign Nations with a historic and contemporary presence on this land. The Confederacy precedes the establishment of Cornell University, New York state, and the United States of America. We acknowledge the painful history of Gayogohó:nq' dispossession, and honor the ongoing connection of Gayogohó:nq' people, past and present, to these lands and waters.

Here are additional links for more on the [history of Cornell's violent, colonial formation](#), [the movement to return native lands](#), and about the [AIISP program at Cornell](#).

Consider donating to the Gayogohó:nq' sovereignty initiative [here](#).

What is RMarkdown?

- ▶ A file format for creating dynamic documents in R
- ▶ Used to generate reports and results all in the same platform
- ▶ Combine R code with Markdown formatting
- ▶ <https://rmarkdown.rstudio.com/>

How to Use

- ▶ On your own device:
 - Install R and RStudio
 - <https://www.r-project.org/>
 - <https://www.rstudio.com/products/rstudio/download/>
 - Open Rstudio, then install Rmarkdown:
 - `install.packages("rmarkdown", dependencies=TRUE)` or use menu
 - File -> New File -> R Markdown you will be asked if you want to install
- ▶ Launch a cloud version of RStudio using Binder
 - <https://mybinder.org/v2/gh/ccss-rs/R-Markdown/main?urlpath=rstudio>
 - If using this option, download any code you write prior to closing the tab. Changes will not be saved

Resources

- ▶ Basic Tutorial, Cheatsheet link at bottom:
 - <https://rmarkdown.rstudio.com/lesson-1.html>
- ▶ Reference Guide:
 - https://www.rstudio.com/wp-content/uploads/2015/03/rmarkdown-reference.pdf?_ga=2.178854052.1235300884.1634918382-399013388.1534858274
 - <https://docs.google.com/document/d/15MDCSJMEA3Xr5I9aJHGaQbgZC1WHGUvj/edit?usp=sharing&ouid=117340435050962348521&rtpof=true&sd=true>