

# HALEY JEPPELSON

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## EDUCATION

- 2021 • **Ph.D., Statistics**, Iowa State University
- 2016 • **M.S., Statistics**, Iowa State University
- 2013 • **B.A., Mathematics, Studio Arts**, University of Iowa

## COMPUTING SKILLS

**Expertise:** R/RStudio, R Markdown, Shiny

**Familiarity:** Git/GitHub, HTML, CSS, SQL, Bash, Python, JavaScript

## PROFESSIONAL EXPERIENCE

- 2023 | 2021 • **Research Associate**, National Institute of Statistical Sciences
  - Researched and implemented emerging trends in data visualization
  - Produced a comprehensive data visualization handbook with guidelines, tutorials, and a reference library to ensure all reports meet agency standards and effectively communicate key insights
- 2021 | 2017 • **Data Visualization Intern, Graduate Research Assistant**, Schneider Electric, Iowa State University
  - Developed a suite of R packages that implemented data visualization guidelines containing a custom set of color scales incorporating the company's branding aesthetic
  - Collaborated with various teams to create engaging interactive visualizations
- Sum. 2020 • **R Program Support**, Data Science for the Public Good Young Scholars Program
  - Provided R support during virtual training sessions
  - Created a Shiny dashboard for the teams to display their final results
- 2017 • **Graduate Assistant**, CSAFE, Department of Statistics, Iowa State University
  - Conducted research on machine learning applications in forensic science
- Sum. 2016 • **Student Developer**, Google Summer of Code
  - Developed the R package **ggmosaic** for creating mosaic plots within the **ggplot2** framework.

## TEACHING EXPERIENCE

- 2023 • **Posit Academy Mentor**, Posit PBC

Led professional teams through the Posit Academy curriculum, providing support and guidance, helping data apprentices learn the tidyverse.
- July 2022 • **Building Tidy Tools Workshop**, `rstudio::conf(2022)`

Assisted with a workshop on developing tidyverse-compatible packages. Topics included package structure, function design and documentation, `tidyeval`, and unit testing.
- Spring 2020 • **Course Instructor**, Iowa State University

Developed 'Applied Statistical Computing' (STAT 480) materials and website, supervised teaching assistant, and taught R programming fundamentals, including data acquisition, exploration, presentation, and management, emphasizing reproducible products.