

MARTHA YVONNE EICHLERSMITH

github.com/MarEichler • myeichlersmith.com • linkedin.com/in/myeichlersmith/

SKILLS

Quantitative methods
Data visualization
Statistical analysis
Data management
Reporting for a variety of audiences
Experience in:

- R
- R Shiny
- CSS/HTML
- SAS

SPEAKING

Introduction to `{box}`
R Ladies Twin Cities
March 10, 2022

EDUCATION

Northwestern University, M.S. in Statistics, 2020

Gustavus Adolphus College, B.A. 2015

Summa Cum Laude

Major: Mathematics

Minor: Economics

- Academic Assistantship, Department of Math and Computer Science
- Co-Captain, Gustavus Women's Rugby Team
- Gustavus Women in Leadership Member

INTERESTS

Hockey, knitting, tea, and animal rights

EXPERIENCE

Research Programmer

Junior Research Programmer

August 2021 - Present

August 2020 – August 2021

Social Policy Research Associates, Oakland, CA

- Develop and manage datasets with documentation
- Create analytic files per project team requests
- Develop reproducible programs for data management tasks
- Produce tables and prepare materials to support analyses
- Create and design data visualizations (both static and dynamic)
- Develop and maintain R Shiny applications for clients such as Department of Labor Employment and Training Administration's Workforce Performance: WIOA by the Numbers

Graduate Student in Statistics

September 2018 – July 2020

Northwestern University, Evanston, IL

Relevant Coursework: Sampling Theory and Applications, Regression Analysis, Design and Analysis of Experiments, Qualitative Data Analysis, Applied Bayesian Inference, Data Visualization

Internal Communications Chair

Women in Statistics (WIST)

- Managed communications to WIST members and market events
- Scheduled meetings, wrote questions, and led discussions for book club
- Build WIST website using the open-source Academic Hugo theme

Teaching Assistant

Department of Statistics

- Lead discussion groups and clarified requirements for assignments
- Collaborated with professors, held office hours and graded assignments

Assistant Chair

Hobart House (Women's Residential College)

- Advised Hobart's Executive Board and student members, preparing monthly program reports

Public Finance Investment Banking Analyst

June 2015 – June 2018

Piper Jaffray & Co., Minneapolis, MN

- Analyzed capital structures, debt capacity and credit profiles of clients
- Created presentations for clients to present to investors
- Led the structuring of the transaction and created exhibits to be included in bond documents
- Reviewed and commented on bond documents to properly reflect the transaction
- Prepared closing memos detailing flow of funds and instructions to necessary parties
- Interacted with financing team members to accomplish tasks necessary to close the transaction

CBL Assessment Project Analyst

September 2014 – May 2015

Gustavus Adolphus College, Office of Community-Based Learning, St. Peter, MN

- Collected and organized Likert Scale survey results utilizing SurveyMonkey and Excel and created a long-term data set that is accessible to, and can be built upon by, future CBL staff
- Analyzed online assessment data using R and created additional assessment tools that did not utilize Likert Scale and compared results