

EDUCATION

St. Olaf College, Northfield, MN

Graduation: May 2022

Bachelor of Arts | **Major:** Mathematics | **Concentration:** Statistics & Data Science

GPA: X.XX

Relevant Coursework: Advanced Statistical Modeling, Statistical Theory, Research Writing

Honors: National Merit Scholar, TRIO Student of the Year Award, Pi Mu Epsilon Honor Society

RESEARCH EXPERIENCE

“Relating Vision Progress to Academic Outcomes”, University of Iowa, Iowa City, IA June 2021 - July 2021

- Tidied and summarized datasets of survey data and neuropsychology measures for middle schoolers with vision loss
- Conducted principal component analysis and factor analysis to identify latent variables and create factor scores
- Interpreted significant relationships between aspects of sight ability and academic outcomes for the children

“Leaks in the Legal Education Pipeline”, St. Olaf College, Northfield, MN Aug 2020 - May 2021

- Tidied, standardized, and merged datasets for the historical results of pre-law programs at eight liberal arts college
- Inferred gender of successful law school applicants using a predictive algorithm
- Analyzed trends in gender balance among law school applicants across more than 20 years

“Online Philanthropy: Trends and Best Practices”, St. Olaf College, Northfield, MN May - July 2020

- Conducted a thorough review of economic literature on impact of online philanthropic gifts in higher education
- Compiled extensive dataset through the acquisition and analysis of a national database across 17 years
- Researched appropriate econometric methods to use to determine the effect of targeted campaigns on giving trends

SKILLS

- **Technical:** Intermediate proficiency for HTML and R; basic proficiency for Python and SQL
- **Language:** Spanish and English (native fluency written/spoken); Korean (basic written, conversational spoken)

TEACHING EXPERIENCE

Teaching Assistant, Data Visualization (STAT 282A), St. Olaf College, Northfield, MN Feb 2020 - Present

- Supervise discussions and exercises during class to ensure material comprehension
- Grade assignments and hold weekly office hours to answer students' questions
- Provide feedback on research projects and presentations

Teaching Assistant, Discrete Mathematics (MATH 232), St. Olaf College, Northfield, MN Sept 2019 - May 2020

- Graded assignments and provided written feedback for students
- Directed weekly homework help sessions to supplement students' learning
- Adapted my teaching approach to accommodate students' different learning styles

CO-CURRICULAR AND VOLUNTEER EXPERIENCE

Member, TRIO McNair Scholars Program, St. Olaf College, Northfield, MN Dec 2019 - Present

- Selected participant in graduate school preparatory program for first-generation college students
- Attend monthly workshops and participate in summer internship and research experiences

Volunteer, Minnesota United Way, Northfield, MN Sept 2018 - May 2019

- Coordinated campus donations and communications (including social media) with other volunteers and prepared the visual data for a report of campus/local community activities for the organization's Annual Board Meeting