

Rachel Rogers

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(402) 472-2903
354D Hardin Hall North Wing
3310 Holdrege St
Lincoln, NE 68483

Education

University of Nebraska – Lincoln, Lincoln, NE

Master of Science, May 2021
Doctor of Philosophy, expected May 2024
Current GPA: 3.978/4.00
Major: Statistics

University of Chicago, Chicago, IL

Bachelors of Arts, June 2019
GPA: 3.65/4.00
Honors: Dean's List (every year) and General Honors
Majors: Statistics and Anthropology

Academic Experience

Statistical Consultant, August 2021 – Present

UNL Statistical Cross-disciplinary Collaboration and Consulting Lab (SC3L); Lincoln, NE

- Collaborate with university-affiliated domain experts regarding study design and analysis for a variety of research topics
- Mentor master's level students enrolled in Advanced Consulting
- Conduct appropriate statistical analyses and provide summary reports to domain experts
- Explain statistical methods to domain experts

Teaching Assistant, August 2019 – July 2021

University of Nebraska – Lincoln; Lincoln, NE

- Taught the online section of Introduction to Statistics along with three other instructors (August 2019 – Spring 2020)
- Taught a hybrid section of Introduction to Statistics as the instructor of record
- Created tests to accurately assess students' progress throughout the course
- Graded student assignments and provide feedback
- Hosted office hours to assist students with conceptual problems

Bureau of Sociological Research Intern, May 2020 – July 2020

University of Nebraska – Lincoln; Lincoln, NE

- Cleaned survey data using SPSS and entered survey data using Epi Info 6
- Transcribed phone interviews
- Designed web and paper surveys
- Collected information regarding mental health and COVID-19 for NASIS publication

College Core Tutor, January 2019 – May 2019

University of Chicago; Chicago, IL

- Hosted weekly statistics tutoring sessions for approximately 5 University of Chicago students
- Explained statistical concepts such as dummy variables and hypothesis testing to students enrolled in statistics and economics courses
- Taught students R programming by qualitatively explaining commands line by line

College Research Scholar, July 2018

Oriental Institute; Chicago, IL

- Participated in the Tell Keisan Excavation in Israel
- Identified and collected over 100 artifacts, including potsherds, an obsidian blade, and mosaic tiles
- Learned stratigraphic excavation methods, based on the discovery of destruction layers

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Honors and Awards

Nebraska Governance and Technology Center Fellowship, August 2022 – May 2023

University of Nebraska – Lincoln

Chancellor's Fellowship, August 2019 – May 2021

University of Nebraska – Lincoln

Odyssey Scholarship, September 2015 – June 2019

University of Chicago

Service and Leadership

Volunteer, Girls Code Lincoln, August 2022 – Present

University of Chicago

Vice President, Statistics Graduate Student Association, August 2021 – Present

University of Nebraska – Lincoln

Student Representative, Department of Statistics, August 2021 – Present

University of Nebraska – Lincoln

Tutor, STARS, January 2018 – June 2018

University of Chicago

Volunteer, Uchi-Con, January 2018

University of Chicago

Research Intern, Swedish American Museum, June 2017 – August 2017

Chicago, IL

Collaborations

Hille, Matthew M., Matthew L. Spangler, Michael L. Clawson, Kelly D. Heath, Hiep L. X. Vu, **Rachel E. S. Rogers**, and John Dustin Loy. "Five Year Randomized Controlled Trial to Assess the Efficacy and Antibody Responses to a Commercial and Autogenous Vaccine for the Prevention of Infectious Bovine Keratoconjunctivitis." *Vaccines* 2022, 10, 916. <https://doi.org/10.3390/vaccines10060916>.

[Paper Accepted] Kellas, Jody Koeng, Cassidy Talady, Trevor Kauer, Cody Hollist, Toni Morgan, Christopher Neu, **Rachel Rogers**. "Narrative Connection during COVID-19: Testing the Effects of the Narrative Parenting Intervention on Parent Connection, Meaning-Making, and Well-Being." Paper presentation at the National Communication Association 108th Annual Convention. New Orleans, LA. November 2022.

Witt-Swanson, Lindsey, Alex Henkel, **Rachel Rogers**, Emily Starr, Eli Ornelas, and Kristen Olson. "The Effects of the COVID Pandemic on the Mental Health of Nebraskans." Paper presented at the Midwest Association of Public Opinion Research Annual Meeting. Chicago, IL. November 2021.

Presentations

Oral Presentations:

Rogers, R., Vanderplas, S., (August 2022). Jury Perception of Bullet Matching Algorithms and Demonstrative Evidence. *International Association for Identification*. Omaha, NE

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Rogers, R., Vanderplas, S., (August 2022). Jury Perception of Bullet Matching Algorithms and Demonstrative Evidence. *Joint Statistical Meetings*. Washington, D.C.

Poster Presentations:

Rogers, R., Vanderplas, S., (April 2022). Jury Perception of Bullet Matching Algorithms and Demonstrative Evidence. *UNL Research Days*. Lincoln, NE.

Rogers, R., Vanderplas, S., (May 2022). Jury Perception of Bullet Matching Algorithms and Demonstrative Evidence. *CSAFE All Hands Meeting*. Ames, IA. Meeting cancelled due to COVID.

Skills

Proficient in:

- | | | |
|--------------|-------------|-------------|
| • Git/GitHub | • RMarkdown | • R/RStudio |
| • RShiny | • SAS | |

Familiar with:

- | | | |
|-------------|----------|---------|
| • Photoshop | • Python | • GeoDa |
| • STATA | • SPSS | • QGIS |
| • LyX | • LaTeX | |

Work Experience

Maroon Tutor, October 2018 – February 2019

Maroon Tutor Match (Neighborhood Schools Program); Chicago, IL

- Provided one-on-one biweekly tutoring in algebra to a local student
- Updated parent on the progress of their child
- Recommended outside resources to student for extra study

Substitute Teacher, September 2018

Winston and Gallatin, MO

- Assisted elementary, middle, and high school students with understanding homework material
- Guaranteed students remained on task
- Introduced new subjects, as instructed by the teacher

Collections Intern, June 2016 – September 2016

National Hellenic Museum; Chicago, IL

- Researched and catalogued over 150 items relating to Greek heritage with PastPerfect
- Acquired the ability to properly handle and preserve museum artifacts such as paintings, clothing, and photographs
- Assisted in arranging signs and displays for exhibits

Professional Memberships

American Statistical Association, August 2019 – Present

Statistics Graduate Student Association, August 2019 – Present

University of Nebraska – Lincoln