Helen A. Moses

Biostatistics MS Student

Analytical, Team Player, Inspired to Innovate, Dedicated to Improving Health Outcomes

hemoses@umich.edu

720-588-5954

Ann Arbor, MI

HelenAveryMoses.com

SKILLS

R | Python | Excel

Regression Analysis

Probability Theory

Problem Solving

Scientific Writing

ACHIEVEMENTS

1st Place in USRESP Competition (05/2024)
Winning paper titled: Incorporating Nonspatial Policing Information into Spatial Models; co-authored with peers Sheridan, S., Frisch, M., and Christensen, E.

Graduated Cum Laude
Carleton College, GPA 3.83

Distinction in Statistics
Carleton College

Statistics Projects
Visit www.HelenAveryMoses.com to view my past statistics research projects

Varsity Softball (4 years)
Collegiate Academic All District (2 years), Collegiate Academic All Conference (3 years)

LEADERSHIP

2 Year Team Captain
Carleton College
Varsity Softball

EDUCATION

Master of Science in Biostatistics Candidate
University of Michigan School of Public Health

08/2024 - Present *GPA: 4.00*

Bachelor of Arts in Statistics (Minor in Public Policy)
Carleton College

09/2020 - 06/2024 *GPA: 3.83*

WORK EXPERIENCE

Student Research Assistant
University of Michigan Child Health Evaluation and Research Center

09/2023 - 12/2023 *Ann Arbor, MI*

Responsibilities/Tasks

- Conducted literature reviews regarding studies of Duchenne Muscular Dystrophy utilizing Excel

Prefect and Course Grader
Carleton College Statistics Department

09/2022 - 11/2023 *Northfield, MN*

Responsibilities/Tasks

- Led study review sessions for students taking undergraduate applied regression course

Student Statistician
Colorado Summer Institute in Biostatistics

06/2023 - 08/2023 *Denver, CO*

Responsibilities/Tasks

- Worked with a team to provide statistical analysis support utilizing R for research project investigating lung capacity decline in youth Cystic Fibrosis patients

Student Research Assistant
Sussel Lab, University of Colorado Medical Campus

06/2018 - 09/2021 *Denver, CO*

Responsibilities/Tasks

- Researched Type I Diabetes by executing DNA extractions, genotyping, antibody staining and imaging, and cell counting
- Acknowledged in: *Retinoic Acid Signaling Within Pancreatic Endocrine Progenitors Regulates Mouse and Human Beta Cell Specification* by Lorberbaum et al. (2020)

STATISTICS PROJECTS

Comparison of Spatial Models Incorporating Nonspatial Information -- Policing Case Study
- Group Senior Thesis: Compared spatial models incorporating nonspatial information with policing case study.

Estimating Variance for the Distribution of Zebra Mussles in Lake Bergen
- With peer Peterson, K., compared MOM and MLE estimator for sigma^2. After determining that the MLE estimator was more accurate and less variable, used MLE estimator to estimate distribution of Zebra Mussels.

Additional Statistical Research Projects
- Nine additional projects can be found at my personal website (www.HelenAveryMoses.com)