

# Heather A. Johnston

Mount Holyoke College Class of '19 | B.A. Statistics & Sociology

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## EDUCATION

**Mount Holyoke College**, South Hadley, MA

3.95 / 4.0 GPA

Bachelor of Arts in Statistics and Sociology, *magna cum laude* with high honors in Sociology, May 2019

## PROFESSIONAL EXPERIENCE

**Data Science Coordinator**, April 2020 – September 2020

Project Lockdown, Boulder, CO

- Served as data science team coordinator for global project mapping COVID-19 lockdowns
- Coordinated global team of volunteers, including delegating tasks and supervising projects
- Liaised with other teams and with project managers on behalf of data science team

**Summer Math Enrichment Teacher**, July 2020 – August 2020

Art of Problem Solving Academy, Virtual Campus

- Taught middle and elementary school students math enrichment courses online

**Statistics Department Grader and Teaching Assistant**, September 2017 – May 2019

Mathematics and Statistics Department, Mount Holyoke College, South Hadley, MA

- Graded Intermediate Statistics, Applied Regression Methods, and Probability assignments
- Guided students in interpreting statistical models and programming in R

**Senior Student Assistant**, September 2017 – May 2019

Library and Information Technology Services, Mount Holyoke College, South Hadley, MA

- Performed queries to obtain data needed for budget management reports
- Cleaned data and managed resource records using Excel and other software programs
- Collaborated to refine data management systems and write documentation

**Digital Library Development Intern**, June 2018 – August 2018

Forjando Mi Mañana, Panajachel, Guatemala

- Designed and implemented digital library to make electronic resources accessible remotely
- Researched digital collections management software to present options to directors
- Provided enrichment lessons for students ages 5–16 in technology, math, literacy, and English

## RESEARCH EXPERIENCE

**Senior Honors Thesis**, September 2018 – May 2019

Sociology Department, Mount Holyoke College, South Hadley, MA

Advised by Dr. Timothy Malacarne

- Title: Demographic differences in access to formal sex education in the United States
- Analyzed complex survey data from the National Survey of Family Growth using R and STATA
- Conducted statistical tests and modeling procedures to predict receipt of health education

## AWARDS AND RECOGNITIONS

- Rackham Science Award Recipient, University of Michigan, 2020
- Five College Statistics Prize Recipient, Mount Holyoke College, 2019
- SCUDEM Differential Equations Modeling Competition Outstanding Prize, 2018
- Benjamin A. Gilman International Scholarship recipient, 2018

## PROJECTS

**Data Camp Skill Development** – Practiced beginning and advanced SQL, R, Python, and other skills

**Kaggle Data Science Competitions** – Competed in Kaggle Data Science competitions to practice data science

**Tutoring** – Worked as tutor for mathematics and statistics students at high school, college, and graduate levels

**Mentorship** – Volunteered as mentor for underserved high school students planning to attend college