

SARAH TEICHMAN

CONTACT INFORMATION

Department of Statistics
University of Washington
Padelford A-314
Seattle, WA, 98195

Email: teichs@uw.edu

EDUCATION

University of Washington, Seattle, Washington
Ph.D. Statistics Student

- Research topic: Statistical model development to study wage heterogeneity
- Advisor: Tyler McCormick
- Coursework: Statistical inference, stochastic modeling, spatial statistics, statistical computing, regression analysis

Amherst College, Amherst, Massachusetts

B.A. Statistics (magna cum laude), May 2018

- Coursework: Probability, mathematical statistics, statistical machine learning, measure theory, data structures, algorithms

RESEARCH EXPERIENCE

University of Washington, Seattle, Washington
Research Assistant, March 2019–Present

- Advisor: Tyler McCormick
- Statistical model development to study wage heterogeneity

Amherst College Department of Statistics, Amherst, Massachusetts

Statistics Honors Thesis, September 2017–May 2018

- Advisor: Amy Wagaman
- Modeled the effect of different edge weightings on community detection in social networks

Institute for Pure and Applied Mathematics, Hong Kong

Research in Industrial Programs for Students Research Assistant, June 2017–August 2017

- Implemented and compared reinforcement learning methods to play a video game

Sandia National Laboratories, Livermore, California

Summer Undergraduate Laboratory Intern, June 2016–August 2016

- Investigated model selection for construction of surrogate models of chemical processes

Amherst College, Amherst, Massachusetts

Undergraduate Research Fellow, June 2016–August 2016

- Mathematically modeled decision making with data from a cognitive psychology experiment

TEACHING EXPERIENCE

University of Washington, Seattle, Washington
Teaching Assistant, September 2018–May 2019

- Statistics 221: Statistical Concepts & Methods for the Social Sciences
- Statistics 311: Elements of Statistical Methods

Amherst College, Amherst, Massachusetts

Statistics Fellow, May 2015–May 2018

- Held weekly drop-in sessions available to students in all beginning and intermediate statistics classes
- Planned and led R tutorials open to the Five College community
- Personal teaching assistant to visually impaired student in Statistics 135: Introduction to Statistics via Modeling
- Teaching Assistant for Statistics 231: Data Science

MENTORSHIP

University of Washington, Seattle, Washington

Statistics Undergraduate Directed Reading Program, January 2020–March 2020

- Mentor: Josiah Thulin
- Project: Introduction to Networks
- Program website: [Link](#)

Amherst College, Amherst, Massachusetts

Amherst Women in Science Mentorship Program, January 2017–May 2018

- Mentor to three students

HONORS AND
AWARDS

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| 2018 | Blalock Fellowship
<i>(Center for Statistics and Social Sciences, University of Washington)</i> |
| 2018 | Top Scholar Award
<i>(Department of Statistics, University of Washington)</i> |
| 2018 | Five College Statistics Award
<i>(Department of Statistics, Amherst College)</i> |

SKILLS

Advanced: R, LaTeX

Basic: Python, MATLAB, Java, Stan

SERVICE

- UW Statistics Department Directed Reading Program Organizing Committee (2020)
- UW Statistics Department Diversity Committee (2019–present)
- UW Women in Biostatistics and Statistics Organizing Committee (2019–present)