

# SARAH TEICHMAN

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## 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

- Mentee: 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

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)