

Brook Luers

Department of Statistics
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EDUCATION

University of Michigan, Ann Arbor, MI
Ph.D. in Statistics (in progress)
Passed qualifying exams, May 2016
Expected graduation: 2020

University of Wisconsin-Madison, Madison, WI
M.S. in Statistics

Oberlin College, Oberlin, OH
B.A. in Mathematics

HONORS AND AWARDS

Honorable Mention, Outstanding Graduate Student Instructor
University of Michigan
Academic year 2015–2016

The Phi Beta Kappa Society
Member, inducted May 2012

The Joint Program in Survey Methodology
Junior Fellow, summer 2011

PROFESSIONAL/RESEARCH EXPERIENCE

Graduate Student Research Assistant June 2016–present
University of Michigan, Ann Arbor, MI

- Ongoing Ph.D. research supervised by Professor Susan Murphy.
- Analyzed data from a micro-randomized trial of HeartSteps, a mobile physical activity intervention, using novel methodology for estimating time-varying causal effects.
- Developed a time-varying standardized effect size for the micro-randomized trial design.

Project Assistant Jan.–July 2015
The University of Wisconsin-Madison, Madison, WI

- Created realistic data sets and example research problems for new Master’s-level statistical methods and data analysis courses.

Business Intelligence Developer July 2012–June 2013
Epic Systems Corporation, Verona, WI

- Developed reporting content and utilities for hospital admissions data using Intersystems Caché, SQL, and Crystal Reports.
- Supported Epic customers and staff using Epic reporting tools.

Research Assistant June–Aug. 2011
American Institutes for Research, Washington, D.C.

- Supported staff at the National Center for Education Statistics working on the Integrated Postsecondary Education Data System (IPEDS).
- Developed web tutorials for the IPEDS data collection system.
- Fulfilled data requests in SAS using IPEDS data.

TEACHING EXPERIENCE

Graduate Student Instructor

Sept. 2015–April 2016

University of Michigan, Ann Arbor, MI

- Taught weekly lab sessions for an introductory statistics course
- Graded exams and weekly homework assignments

Lecturer

Sept.–Dec. 2014

University of Wisconsin-Madison, Madison, WI

- Designed and taught a one-semester undergraduate course, Statistics 301, Introduction to Statistical Methods. Estimated enrollment: 140.

SIBS Teaching Assistant

June 9, 2014–July 18, 2014

University of Wisconsin-Madison, Madison, WI

- Assisted students attending the Summer Institute for Training in Biostatistics in an introductory biostatistics course and an applied data analysis course.
- Introduced students to the R statistical computing environment through lectures and exercises.
- Graded weekly assignments and group projects.

Graduate Teaching Assistant

Sept. 2013–May 2014

University of Wisconsin-Madison, Madison, WI

- Taught course concepts for introductory statistics courses (STAT 224 and 301) in three weekly 50-minute recitation sessions.
- Graded exams and weekly homework assignments.
- Tutored Statistics students in walk-in tutoring sessions.

Mathematics Tutor

Sept. 2009–May 2010, Feb.–May 2011

Oberlin College, Oberlin, OH

- Helped calculus students with homework and course concepts.

SKILLS

Statistical modeling and inference, including linear regression, ANOVA, linear mixed models, and generalized linear models.

Programming experience in R, C, Python, SQL, and Intersystems Caché.

Proficient in L^AT_EX, Microsoft Office, SAP BusinessObjects, and both Windows and Unix operating systems.