

CONTACT INFORMATION	Olin-Rice Science Center Room 230 166 Macalester Street Saint Paul, MN 55105	651-366-9456 jnorming@macalester.edu Website
RESEARCH INTERESTS	Bayesian hierarchical modeling, Bayesian variable selection, adaptive clinical trials, causal inference, teaching methodology	
EDUCATION	University of Minnesota , Minneapolis, MN <ul style="list-style-type: none">Ph.D., Biostatistics, December 2019<ul style="list-style-type: none">• Topic: <i>Bayesian hierarchical difference-in-differences models</i>• Adviser: Dr. Eric F. Lock• Co-adviser: Dr. Thomas A. Murray• Committee: Dr. Caroline S. Carlin and Dr. David M. VockM.S., Biostatistics, August 2016<ul style="list-style-type: none">• Topic: <i>Stacked survival models in restricted mean regression</i>• Adviser: Dr. Kyle D. Rudser University of Wisconsin - Madison , Madison, WI <ul style="list-style-type: none">B.A., Mathematics, December 2013	
TEACHING EXPERIENCE	Visiting Assistant Professor STAT 253 - Statistical Machine Learning STAT 155 - Introduction to Statistical Modeling STAT 112 - Introduction to Data Science Department of Mathematics, Statistics, and Computer Science, Macalester College	Fall 2022 - Present
	Adjunct Professor STAT 310 - Biostatistics STAT 220 - Statistics I Department of Computer and Information Sciences, University of St. Thomas	Summer 2016 - Fall 2021
	Teaching Assistant PubH 8482 - Sequential and Adaptive Methods for Clinical Trials Instructor: Dr. Thomas Murray Division of Biostatistics, University of Minnesota	Fall 2019
	Teaching Assistant PubH 8442 - Bayesian Decision Theory and Data Analysis Instructor: Dr. Eric Lock Division of Biostatistics, University of Minnesota	Spring 2019
	Teaching Assistant PubH 8401/STAT 8311 - Linear Models Instructors: Dr. Yuhong Yang and Dr. Weihua Guan Division of Biostatistics and Department of Statistics, University of Minnesota	Fall 2018

	Classroom Teaching Assistant PubH 6414 - Biostatistical Literacy Instructor: Dr. Laura J. Le Division of Biostatistics, University of Minnesota	Fall 2016
	Subject Tutor Statistics and Mathematics Lindahl (FKA McNamara) Academic Center, University of Minnesota	Fall 2014 - Spring 2016
	Teaching Assistant Wisconsin Emerging Scholars , Math 222 - Calculus and Analytic Geometry II Math 221 - Calculus and Analytic Geometry I University of Wisconsin-Madison	Summer 2012 - Fall 2013
WORK EXPERIENCE	Senior Statistical Scientist General Mills, Inc. Golden Valley, MN Supervisor: Dr. Fred Hulting	Jan 2020 to Aug 2022
	Technical Services Representative Epic Systems Corporation Verona, WI	Jan 2014 to Jul 2014
CONSULTING EXPERIENCE	Senior Statistician General Mills, Inc. Golden Valley, MN Supervisor: Dr. Fred Hulting	Aug 2022 to Present
	Bayesian Statistical Scientist Slingwave Los Angeles, CA Supervisors: Paul Boruta and Vincent Scopino	Dec 2021 to Present
RESEARCH EXPERIENCE	Research Assistant Division of Biostatistics, University of Minnesota Supervisors: Dr. Eric F. Lock and Dr. Caroline S. Carlin	Jan 2017 to Dec 2019
	Summer Intern Novartis Institutes for Biomedical Research Supervisors: Dr. Avery I. McIntosh and Dr. Brian P. Smith	Jun 2019 to Aug 2019
	Research Assistant Division of Biostatistics, University of Minnesota Supervisor: Dr. Bradley P. Carlin	May 2017 to August 2018
	Research Assistant Division of Biostatistics, University of Minnesota Supervisor: Dr. James D. Neaton	Aug 2016 to May 2017

Research Assistant

Oct 2014 to Aug 2016

Division of Applied Research,

Allina Health

Supervisors: Lori L. Boland, MPH and Dr. Roman R. Melamed, MD

REFEREED
JOURNAL
PUBLICATIONS

1. **Normington JP**, Lock EF, Murray TA, Carlin C. “Bayesian variable selection in hierarchical difference-in-differences models” *Statistical Methods in Medical Research*, 2022; 31:1, 169-183.
2. **Normington JP**, Zhu J, Mattiello F, Sarkar S, Carlin BP. “An efficient Bayesian platform trial design for borrowing adaptively from historical control data” *Contemporary Clinical Trials*, 2020; 89:105890.
3. **Normington JP**, Lock EF, Carlin C, Peterson K, Carlin BP. “A Bayesian difference-in-difference framework for the impact of primary care redesign on diabetes outcomes” *Statistics & Public Policy*, 2019; 6:1, 55-66.
4. Smith J, Jain N, **Normington JP**, Holschuh N, Zhu Y. “Associations of ready-to-eat cereal consumptions and income with dietary outcomes: results from the National Health and Nutrition Examination Survey 2015-2018” *Frontiers in Nutrition*, 2022; 9.
5. Zhu Y, Jain N, **Normington JP**, Michno J, Holschuh N, Smith J. “Consumption of ready-to-eat cereal and its associations with nutrient intake and nutrition adequacy in the United States, NHANES 2017-2018” *Current Developments in Nutrition*, 2021; 5:2, 1115.
6. Smith J, Jain N, **Normington JP**, Michno J, Holschuh N, Zhu Y. “The association between ready-to-eat cereal consumptions, stratified by sugar content, and nutrient intakes in American children and adults: results from NHANES 2017-2018” *Current Developments in Nutrition*, 2021; 5:2, 1093.
7. Smith J, Jain N, **Normington JP**, Holschuh N, Zhu Y. “Ready-to-eat cereal consumption among children and adults stratified by income: results from the National Health and Nutrition Examination Survey 2015-2018”. *In Revision*.
8. Melamed R, Boland LL, **Normington JP**, Prenevost RM, Hur LY, Maynard LF, McNaughton MA, Kinzy TG, Masood A, Dastrange M, Huguelet JA. “Postoperative respiratory failure necessitating transfer to the intensive care unit in orthopedic surgery patients: risk factors, costs, and outcomes” *Perioperative Medicine* 2016; Aug 2;5:19.
9. Peterson K, Carlin C, Solberg LI, **Normington JP**, Lock EF. “Primary care practice design and quality of care for patients with diabetes”. *Submitted to Diabetes Care*.
10. Boland LL, Huelster JS, Hildebrandt DA, Saavedra-Romero R, **Normington JP**, Melamed RR, Mooney MR, Mulder M. “Infection, use of antibiotics and outcomes in patients receiving therapeutic hypothermia after cardiac arrest” *The Journal of the Minneapolis Heart Institute Foundation* 2018; Spring/Summer;2:1.
11. Tierney DM, Boland LL, Overgaard J, Huelster JS, Jorgenson A, **Normington JP**, Melamed RR. “Pulmonary ultrasound scoring system for intubated critically ill patients and its association with clinical metrics and mortality: A prospective cohort study” *Journal of Clinical Ultrasound*; 2018; 46:1, 14-22.

PAPERS IN PREPARATION	1. Normington JP , Lock EF, Murray TA “Correlative structure priors in Bayesian hierarchical difference-in-differences models”
AWARDS	<ul style="list-style-type: none"> • ITQ Technical Excellence Award, General Mills, Dec 2021 • James R. Boen Graduate Award, Division of Biostatistics, University of Minnesota, 2019-2020 • International Conference on Health Policy Statistics (ICHPS) 2020 Student Travel Award Recipient • Integrative Biostatistics Research For Imaging Genomics, and High-throughput Technologies in Precision Medicine (iBright) 2019 Travel Award Recipient • Novartis Quantitative Science Academia-to-Industry Hackathon 2019 Winner • Health Policy Statistics Section Student Paper Competition Winner, 2019 Joint Statistical Meetings (JSM) • Outstanding Biostatistics Teaching Assistant Award, Division of Biostatistics, University of Minnesota, 2018-2019 • American Statistical Association’s (ASA) Twin Cities Chapter Spring 2019 Meeting Graduate Student Poster Competition Winner, April 2019 • Biostatistics in the Modern Computing Era Student Travel Award Recipient, Medical College of Wisconsin, September 2017 • School of Public Health Dean’s Scholarship, University of Minnesota, August 2014
INVITED PRESENTATIONS	<ul style="list-style-type: none"> • JSM, August 2020 • Ameriprise Financial, Minneapolis, MN, September 2018 • Eastern Northern American Region (ENAR) 2018, Atlanta, GA, March 2018
PRESENTATIONS	<ul style="list-style-type: none"> • General Mills Process Modeling Network, Golden Valley, MN, August 2021 • iBright 2019, Houston, TX, November 2019 • Novartis Quantitative Science Academia-to-Industry Hackathon, Cambridge, MA, August 2019 • JSM 2019, Denver, CO, July-August 2019 • Novartis BayeSpace, Cambridge, MA, July 2019 • ASA Twin Cities Chapter Spring 2019 Meeting, Minneapolis, MN, April 2019 • Research Day, School of Public Health, University of Minnesota, Minneapolis, MN, April 2019 • ENAR 2019, Philadelphia, PA, March 2019 • Biostatistics in the Modern Computing Era, Medical College of Wisconsin, Wauwatosa, WI, September 2017 • Student Seminar, Division of Biostatistics, University of Minnesota, Minneapolis, MN, November 2019, March 2018, November 2017, and November 2016
SERVICE TO PROFESSION	Editorial Board , <i>Contemporary Clinical Trials</i> , 2020 - Present Referee , <i>The American Journal of Managed Care</i> , 2020 Referee , <i>Journal of the American Statistical Association</i> , 2019
SERVICE TO INSTITUTION	Committee Member , DEI, Mentoring, and Support Fall 2022 - Present Department of Mathematics, Statistics, and Computer Science, Macalester College Panel Member , Ph.D. Recruiting Event Spring 2019 Division of Biostatistics, University of Minnesota Student Representative Fall 2014 Division of Biostatistics, University of Minnesota

SOFTWARE DEVELOPMENT

- Bayesian variable selection algorithms for hierarchical difference-in-differences models
- Probability of Success using RBesT
- Effective Sample Size using RBesT

REFERENCES

Dr. Eric F. Lock Email: elock@umn.edu
Associate Professor
Division of Biostatistics,
School of Public Health,
University of Minnesota

Dr. Erin M. Curran Email: curr4490@stthomas.edu
Associate Dean of the Morrison Family College of Health
Associate Professor of Computer and Information Sciences
University of St. Thomas

Dr. Thomas A. Murray Email: murra484@umn.edu
Assistant Professor and Medtronic Faculty Fellow
Division of Biostatistics,
School of Public Health,
University of Minnesota

Dr. Bradley P. Carlin Email: bradleypcarlin@gmail.com
Senior Advisor, Data Science and Statistics
PharmaLex