

## James Paul Normington

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

	PubH 6414 - Biostatistical Literacy Instructor: <a href="#">Dr. Laura J. Le</a> Division of Biostatistics, University of Minnesota	
	<b>Subject Tutor</b> Lindahl (FKA McNamara) Academic Center, University of Minnesota	Fall 2014 - Spring 2016
	<b>Teaching Assistant</b> <a href="#">Wisconsin Emerging Scholars</a> , University of Wisconsin-Madison	Summer 2012 - Fall 2013
WORK EXPERIENCE	<b>Senior Statistical Scientist</b> <a href="#">General Mills, Inc.</a> Golden Valley, MN Supervisor: <a href="#">Dr. Fred Hulting</a>	Jan 2020 to Present
	<b>Technical Services Representative</b> <a href="#">Epic Systems Corporation</a> Verona, WI	Jan 2014 to Jul 2014
CONSULTING EXPERIENCE	<b>Bayesian Statistical Scientist</b> <a href="#">Slingwave</a> Los Angeles, CA Supervisors: Paul Boruta and Vincent Scopino	Dec 2021 to Present
RESEARCH EXPERIENCE	<b>Research Assistant</b> Division of Biostatistics, University of Minnesota Supervisors: Dr. Eric F. Lock and Dr. Caroline S. Carlin	Jan 2017 to Dec 2019
	<b>Summer Intern</b> Novartis Institutes for Biomedical Research Supervisors: <a href="#">Dr. Avery I. McIntosh</a> and <a href="#">Dr. Brian P. Smith</a>	Jun 2019 to Aug 2019
	<b>Research Assistant</b> Division of Biostatistics, University of Minnesota Supervisor: <a href="#">Dr. Bradley P. Carlin</a>	May 2017 to August 2018
	<b>Research Assistant</b> Division of Biostatistics, University of Minnesota Supervisor: <a href="#">Dr. James D. Neaton</a>	Aug 2016 to May 2017
	<b>Research Assistant</b> Division of Applied Research, <a href="#">Allina Health</a> Supervisors: <a href="#">Lori L. Boland, MPH</a> and <a href="#">Dr. Roman R. Melamed, MD</a>	Oct 2014 to Aug 2016
REFEREED JOURNAL PUBLICATIONS	1. <b>Normington JP</b> , Lock EF, Murray TA, Carlin C. “Bayesian variable selection in hierarchical difference-in-differences models” <i>Statistical Methods in Medical Research</i> , 2022; 31:1, 169-183.  2. <b>Normington JP</b> , Zhu J, Mattiello F, Sarkar S, Carlin BP. “An efficient Bayesian platform trial design for borrowing adaptively from historical control data” <i>Contemporary Clinical Trials</i> , 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, Huguélet 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. 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.
10. 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. Carlin C, **Normington JP**, Solberg LI, Lock EF, Peterson KA. “The impact of primary care management processes on achievement of optimal diabetes care”.
2. **Normington JP**, Lock EF, Murray TA “Bayesian variable selection in hierarchical difference-in-differences models with structured priors”

#### AWARDS

- 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)

	<ul style="list-style-type: none"> <li>• Outstanding Biostatistics Teaching Assistant Award, Division of Biostatistics, University of Minnesota, 2018-2019</li> <li>• <a href="#">American Statistical Association's (ASA) Twin Cities Chapter Spring 2019 Meeting Graduate Student Poster Competition Winner</a>, April 2019</li> <li>• <a href="#">Biostatistics in the Modern Computing Era Student Travel Award Recipient</a>, Medical College of Wisconsin, September 2017</li> <li>• <a href="#">School of Public Health Dean's Scholarship</a>, University of Minnesota, August 2014</li> </ul>	
INVITED PRESENTATIONS	<ul style="list-style-type: none"> <li>• JSM 2020, Philadelphia, PA, August 2020</li> <li>• <a href="#">Ameriprise Financial</a>, Minneapolis, MN, September 2018</li> <li>• Eastern Northern American Region (ENAR) 2018, Atlanta, GA, March 2018</li> </ul>	
PRESENTATIONS	<ul style="list-style-type: none"> <li>• General Mills Process Modeling Network, Golden Valley, MN, August 2021</li> <li>• iBright 2019, Houston, TX, November 2019</li> <li>• Novartis Quantitative Science Academia-to-Industry Hackathon, Cambridge, MA, August 2019</li> <li>• JSM 2019, Denver, CO, July-August 2019</li> <li>• Novartis BayeSpace, Cambridge, MA, July 2019</li> <li>• ASA Twin Cities Chapter Spring 2019 Meeting, Minneapolis, MN, April 2019</li> <li>• Research Day, School of Public Health, University of Minnesota, Minneapolis, MN, April 2019</li> <li>• ENAR 2019, Philadelphia, PA, March 2019</li> <li>• Biostatistics in the Modern Computing Era, Medical College of Wisconsin, Wauwatosa, WI, September 2017</li> <li>• Student Seminar, Division of Biostatistics, University of Minnesota, Minneapolis, MN, November 2019, March 2018, November 2017, and November 2016</li> </ul>	
SERVICE TO PROFESSION	<p><b>Editorial Board</b>, <i>Contemporary Clinical Trials</i>, 2020 - Present</p> <p><b>Referee</b>, <i>The American Journal of Managed Care</i>, 2020</p> <p><b>Referee</b>, <i>Journal of the American Statistical Association</i>, 2019</p>	
SERVICE TO UNIVERSITY	<p><b>Panel Member</b>, Ph.D. Recruiting Event Division of Biostatistics, University of Minnesota</p> <p><b>Student Representative</b> Division of Biostatistics, University of Minnesota</p>	<p>Spring 2019</p> <p>Fall 2014</p>
SOFTWARE DEVELOPMENT	<ul style="list-style-type: none"> <li>• <a href="#">Bayesian variable selection algorithms for hierarchical difference-in-differences models</a></li> <li>• <a href="#">Probability of Success using RBeST</a></li> <li>• <a href="#">Effective Sample Size using RBeST</a></li> </ul>	
REFERENCES	<p>Dr. Eric F. Lock <span style="float: right;">Email: <a href="mailto:elock@umn.edu">elock@umn.edu</a></span>  Associate Professor  Division of Biostatistics,  School of Public Health,  University of Minnesota</p> <p>Dr. Erin M. Curran <span style="float: right;">Email: <a href="mailto:curr4490@stthomas.edu">curr4490@stthomas.edu</a></span>  Associate Dean of the Morrison Family College of Health  Associate Professor of Computer and Information Sciences  University of St. Thomas (Saint Paul, MN)</p>	

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Assistant Professor and Medtronic Faculty Fellow  
Division of Biostatistics,  
School of Public Health,  
University of Minnesota

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Dr. Bradley P. Carlin  
Senior Advisor, Data Science and Statistics  
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