

# Karsten Tait Maurer

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## CONTACT INFORMATION

Department of Statistics  
Miami University  
321 Upham Hall  
Oxford, OH 45056

*Office:* 515-294-3440  
*Email:* maurerkt@miamioh.edu  
*Webpage:* [kmaurer.github.io](https://kmaurer.github.io)

## EDUCATION

Iowa State University, Ames IA  
Ph.D., Statistics, August 2015  
  
Iowa State University, Ames IA  
M.S., Statistics, December 2011  
  
University of Minnesota Morris, Morris MN  
B.A., Statistics and History, May 2009  
Minor in Mathematics, Graduated with Distinction

## HONORS AND AWARDS

ISU Statistics Award for Undergraduate Mentoring	Fall 2013 & 2014
2 <sup>nd</sup> Place in the 2013 ASA Data Expo	Summer 2013
ISU Statistics Alumni Scholarship	Fall 2009 - Spring 2010
University of Minnesota Morris Chancellor's Scholarship	Fall 2005 - Spring 2009
University of Minnesota Morris Dean's List	Fall 2005 - Spring 2009

## SPONSORED RESEARCH

Miami University - CAS Summer Research Appointment	Forthcoming
Miami University - CFR Summer Research Appointment	Summer 2017
Air Force Research Lab - Summer Faculty Fellowship	Summer 2016

## TEACHING EXPERIENCE

<i>Assistant Professor</i>	Fall 2015 - Present
Miami University, Oxford OH	
<ul style="list-style-type: none"><li>• STA/IMS/JRN 404/504, Advanced Data Visualization (6 Sections)</li><li>• STA 467/567, Statistical Learning (1 Section)</li><li>• STA 671, Environmental Statistics (1 Section)</li><li>• STA 660, Data Practicum (1 Section - Co-taught)</li><li>• STA 301, Applied Statistics (1 Section)</li><li>• STA 477/600, Independent Studies in Statistics (4 students)</li></ul>	
<i>Course Instructor</i>	Fall 2012 - Summer 2015
Iowa State University, Ames IA	
<ul style="list-style-type: none"><li>• Statistics 104, Introduction to Statistics (6 Sections)</li><li>• Statistics 305, Engineering Statistics (3 Sections)</li></ul>	
<i>Workshop Presenter</i>	Summer 2012 - Fall 2014
Iowa State University, Ames IA	
<ul style="list-style-type: none"><li>• "A Week of R" Workshops (seven full sequences)</li></ul>	

PUBLICATION	Alessio H., Malay N., <b>Maurer K.</b> , Bailer J., Rubin B. (2017), <i>Examining the Effect of Proctoring on Online Test Scores</i> (Online Learning Journal)	
	<b>Maurer K.</b> , Lock D. (2016), <i>Comparison of Learning Outcomes for Randomization-Based and Traditional Inference Curricula in a Designed Educational Experiment</i> (Technology Innovations in Statistics Education, Volume 8)	
	Anderson J., Burks S., Carpenter J., Goette L., <b>Maurer K.</b> , Nosenzo D., Potter R., Rocha K., Rustichini A., (2013) <i>Self-selection and variations in the laboratory measurement of other-regarding preferences across subject pools: evidence from one college student and two adult samples</i> (Experimental Economics, 16(2), 170-189)	
SUBMITTED MANUSCRIPTS	Alessio H., Malay N., <b>Maurer K.</b> , Bailer J., Rubin B. , <i>Interaction of Proctoring and Student Major on Online Test Performance</i>	
	Miljkovic T., Miljkovic D., <b>Maurer K.</b> , <i>Examining the Impact on Mortality Arising from Climate Change: Important Findings for the Insurance Industry</i>	
	<b>Maurer K.</b> , Vanderplas S., Hofmann H., <i>Developing and Evaluating Loss Functions for Binned Scatterplots Under Random and Standard Binning Algorithms</i>	
MANUSCRIPTS IN PREPERATION	<b>Maurer K.</b> , Bennette W., Wang Y., Underwood A., <i>Bin-Weighted Ensemble Classifiers</i>	
	<b>Maurer K.</b> , <i>Iterative Quantile Nearest-Neighbors</i>	
	<b>Maurer K.</b> , <i>A Shiny New Opportunity for Students to Randomly Sample from Big Data Sources</i>	
PRESENTATION	“Bin-Weighted Ensemble Classifiers” Joint Statistical Meetings, Baltimore MD	August 2016
	“Traditional vs. Simulation-Based: Curricula Comparison in a Small Scale Educational Experiment” Joint Statistical Meetings, Chicago IL	August 2016
	“Comparison of Learning Outcomes from Traditional and Randomization-Based Inference Curricula in a Designed Experiment” Joint Statistical Meetings, Boston MA	August 2014
	“A Shiny New Opportunity for Big Data in Statistics Education” International Conference on Teaching Statistics, Flagstaff AZ	July 2014
	“Locating the Heart of the Community” Joint Statistical Meetings, Montreal QC	August 2013
	“Using R to Construct a Graphical User Interface for an Interactive Fitness Log” Joint Statistical Meetings, Miami FL	August 2011

<b>UNIVERSITY SERVICE</b>	<i>University Service</i>	
	<i>Member, Dept. of Statistics Hiring Search Committee</i>	Fall 2016 - Present
	<i>Member, Dept. of Statistics Grad Ed Committee</i>	Fall 2016 - Present
	<i>Volunteer, Miami CIQS Day</i>	Fall 2016
	<i>Panelist, New Faculty Orientation Panel</i>	Fall 2016
	<i>Member, Miami Datafest Committee</i>	Fall 2015 - Present
<b>PROFESSIONAL SERVICE</b>	<i>Judge, Undergraduate Research Project Competition</i>	Summer 2016
	<i>Peer Reviewer, Journal for Statistical Education</i>	Spring 2016 - Present
	<i>Peer Reviewer, The American Statistician</i>	Winter 2015
	<i>Member, Miami Datafest Committee</i>	Fall 2015 - Present
<b>COMMUNITY SERVICE</b>	<i>Instructor, Client Data Visualization Projects</i>	Fall 2015 - Spring 2017
	<ul style="list-style-type: none"> <li>• Miami EHWP - Gym and Benefit Usage App</li> <li>• Cincinnati Shakespeare Co. - Ticket Sales App (Redesign)</li> <li>• Butler County Health - Interactive Infant Mortality Report App</li> <li>• St. Louis County EMS - Emergency Response Times App</li> <li>• Scripps Gerontology Center - Nursing Facility Survey App</li> </ul>	
<b>OTHER EXPERIENCE</b>	<i>Member, Miami University NFRC</i>	Fall 2016
	<i>Member, Miami University NFTEP</i>	Fall 2015 - Spring 2016
	<i>Member, ISU Graphics Working Group</i>	Fall 2009 - Summer 2015
	<i>Coordinator, ISU Graphics Working Group</i>	Spring 2014
	<i>Advisor, Midwest Undergraduate Data Analytics Comp.</i>	Spring 2013 and 2014
	<i>Attendee, Collaborative Undergraduate Research Workshop</i>	Fall 2014
	<i>Treasurer, STAT-ers Graduate Student Club</i>	Fall 2012 - Summer 2013
	<i>Consultant, ISU Survey and Behavioral Research Services</i>	Fall 2011 - Spring 2012
	<i>Online Homework Assistant, Stat 101 at ISU</i>	Fall 2010 - Summer 2011
	<i>Associate Researcher, UMM Trucking Safety Project</i>	Summer 2010
	<i>Lab Instructor, Stat 101 at ISU</i>	Fall 2009 - Spring 2010