Karsten Tait Maurer

CONTACT INFORMATION

Department of Statistics
Miami University
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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

Air Force Research Lab - Summer Faculty Fellowship	Summer 2016
Department of Statistics Award for Undergraduate Mentoring	Fall 2013 & 2014
2nd Place in the 2013 ASA Data Expo	Summer 2013
Iowa State Department of 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

TEACHING EXPERIENCE

Assistant Professor   Fall 2015 - Present
Miami University, Oxford OH
- Statistics 404/504, Advanced Data Visualization (4 Sections)
- Statistics 671, Environmental Statistics (1 Section)
- Statistics 301, Applied Statistics (1 Section)

Course Instructor   Fall 2012 - Summer 2015
Iowa State University, Ames IA
- Statistics 104, Introduction to Statistics (6 Sections)
- Statistics 305, Engineering Statistics (3 Sections)

Workshop Presenter   Summer 2012 - Fall 2014
Iowa State University, Ames IA
- "A Week of R" Workshops (seven full sequences)

PUBLICATION **Maurer K.**, Lock D., *Comparison of Learning Outcomes for Randomization-Based and Traditional Inference Curricula in a Designed Educational Experiment* (TISE Volume 8)

Anderson J., Burks S., Carpenter J., Goette L., **Maurer K.**, Nosenzo D., Potter R., Rocha K., Rustichini A., (2010) *Self Selection Does Not Increase Other-Regarding Preferences Among Adult Laboratory Subjects, But Student Subjects May Be More Self-Regarding than Adults* (IZA Discussion Paper No. 5389)

ACCEPTED PENDING MINOR REVISION **Maurer K.**, Osthus D., Loy A., *A Tale of Four Cities: Exploring the Soul of State College, Detroit, Millidgeville and Biloxi* (Accepted pending revision by COST on 12/19/14)

MANUSCRIPTS IN PREPERATION **Maurer K.**, Vanderplas S., Hofmann H., *Developing and Evaluating Loss Functions for Binned Scatterplots Under Random and Standard Binning Algorithms*

Maurer K., *A Shiny New Opportunity for Students to Randomly Sample from Big Data Sources*

PRESENTATION *"Traditional vs. Simulation-Based:*   August 2016
Curricula Comparison in a Small Scale Educational Experiment"
Joint Statistical Meetings, Chicago IL
- Topic Contributed Presentation

"Comparison of Learning Outcomes from Traditional and   August 2014
Randomization-Based Inference Curricula in a Designed Experiment"
Joint Statistical Meetings, Boston MA
- Topic Contributed Presentation

"A Shiny New Opportunity for Big Data in Statistics Education"   July 2014
International Conference on Teaching Statistics, Flagstaff AZ
- Introduced and demonstrated the Shiny Database Sampler tool
- Discussed classroom applications and experiences

"Locating the Heart of the Community"   August 2013
Joint Statistical Meetings, Montreal QC
- Awarded 2nd Place in the 2013 ASA Data Expo Poster Competition
- Teammates: Dave Osthus and Adam Loy

"Using R to Construct a Graphical User   August 2011
Interface for an Interactive Fitness Log"
Joint Statistical Meetings, Miami FL
- Topic Contributed Presentation on master's thesis research

OTHER EXPERIENCE

Member, Miami Datafest Committee		Fall 2015 - Present
Member, Miami University NFTEP		Fall 2015 - Spring 2016
Member, ISU Graphics Working Group		Fall 2009 - Summer 2015
Coordinator, ISU Graphics Working Group		Spring 2014
Advisor, Midwest Undergraduate Data Analytics Comp.		Spring 2013 and 2014
Treasurer, STAT-ers Graduate Student Club		Fall 2012 - Summer 2013

Consultant, ISU Survey and Behavioral Research Services   Fall 2011 - Spring 2012

Online Homework Assistant, Stat 101 at ISU   Fall 2010 - Summer 2011

Associate Researcher, UMM Trucking Safety Project   Summer 2010

Lab Instructor, Stat 101 at ISU   Fall 2009 - Spring 2010