

Matthew Simpson

CONTACT INFORMATION	Department of Statistics University of Missouri Columbia, MO 65202	office: (573) 882 9351 themattsimpson@gmail.com http://www.themattsimpson.com/
CURRENT EMPLOYMENT	Postdoctoral fellow Department of Statistics, University of Missouri Supervisors: Scott H. Holan and Christopher K. Wikle	August 2015 to present
RESEARCH INTERESTS	Bayesian statistics, Markov chain Monte Carlo, time series, spatial & spatio-temporal statistics	
EDUCATION	Iowa State University , Ames, IA	
	PhD, Statistics and Economics	July 2015
	<ul style="list-style-type: none">• Thesis Topic: <i>Essays in Bayesian Modeling and Computing</i>• Advisors: Jarad Niemi and Gray Calhoun	
	MS, Statistics	Dec 2011
	<ul style="list-style-type: none">• Creative Component: <i>A Bayesian Analysis of an Exchange and Specialization Experiment</i>• Advisor: Alyson Wilson	
	Lindenwood University , St. Charles, MO	
	BS Mathematics and BA Philosophy	May 2009
PUBLICATIONS	<ol style="list-style-type: none">1. Simpson, M., Niemi, J. and Roy, V. (2016) Interweaving Markov Chain Monte Carlo Strategies for Efficient Estimation of Dynamic Linear Models. <i>Journal of Computational and Graphical Statistics</i>. To appear.2. Alvarez-Castro, I., Simpson, M., Niemi, J. (2015) Covariance Matrix Prior Distributions for Hierarchical Linear Models. 2015. <i>Proceedings of the Kansas State University Conference on Applied Statistics in Agriculture</i>.3. Simpson, M. (2015) Application of Interweaving in DLMS to an Exchange and Specialization Experiment. <i>Bayesian Statistics from Methods to Models and Applications: Research from BAYSM 2014</i>.	
AWARDS	Student Awards — Iowa State University	
	<ul style="list-style-type: none">• T.A. Bancroft Award for Excellent Doctoral co-Majors in Statistics• Teaching Excellence Award, Economics Department	Aug 2012 May 2012
	Travel Awards	
	<ul style="list-style-type: none">• Second Bayesian Young Statisticians Meeting, Vienna, Austria• Economics Finance and Business Workshop at Bayes 250, Raleigh, NC	Sept 2014 Dec 2013
POSTERS AND PRESENTATIONS	<ul style="list-style-type: none">• Interweaving Markov Chain Monte Carlo Strategies for Efficient Estimation of Dynamic Linear Models, <i>Plenary Session, BAYSM'14</i>, Vienna, Austria, Sept. 2014.• Ancillary-Sufficiency or not; Interweaving to Improve MCMC Estimation of the Local Level Model, <i>Poster Session, EFaB@Bayes250</i>, Durham, NC, Dec. 2013.	

PROGRAMMING SKILLS	Programming Languages Significant experience with R, including ggplot2 for graphics. Experience with github, C/C++, Cuda C/C++, Repp, Python, and SAS. Markup Significant experience with L ^A T _E X and knitr. Experience with Markdown.	
GRADUATE RESEARCH EXPERIENCE	Research Assistant Department of Economics Iowa State University Supervisor: Brent Kreider	Fall 2012
INTERNSHIPS	Economic Science Institute , Orange, CA Show-Me Institute , Clayton, MO	Summer 2009/10 Summer 2008
TEACHING EXPERIENCE	Instructor Econ 301 – Intermediate Microeconomics Econ 371 – Introductory Econometrics Stat 104 – Introduction to Statistics Teaching Assistant / Lab Instructor Econ 101 – Principles of Microeconomics (Head TA, 2 Sections) Econ 101 – Principles of Microeconomics Econ 101L – Principles of Microeconomics Lab Stat 305 – Engineering Statistics Stat 226 – Introduction to Business Statistics I Stat 326 – Introduction to Business Statistics II (Lab Instructor) Stat 401 – Stat Methods for Research Workers Other Economics Help Room Coordinator	Summer 2014 Spring 2013 Spring 2011 Fall 2012/13/14 Fall 2011 / Spring 2012 Fall 2011 Summer 2011 Fall 2010/ Summer 2011 Fall 2009/10 Spring/Fall 2010 Spring 2012/13/14/15 and Fall 2012/13/14