

James M. Flegal

January 14, 2008

School of Statistics, University of Minnesota

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Education

PhD Candidate in Statistics, University of Minnesota

Advisor: Galin L. Jones; Co-Advisor: Glen Meeden

Provisional Thesis Title: Monte Carlo Standard Errors for Markov Chain Monte Carlo

Expected Graduation: May 2008

Clarence L. Remyse Scholarship, 2003-2007

BS Mechanical Engineering, 1999, Northwestern University, Evanston, IL

Clarence L. Remyse Scholarship, 1996-1999

Work Experience

University of Minnesota, School of Statistics

Graduate Student, since September 2003

Caterpillar, Raleigh, NC

Design Engineer, September 2000 to December 2002

Continental Research & Engineering, Denver, CO

Research Engineer & Analyst, September 1999 to September 2000

Teaching Experience

Instructor, UNIVERSITY OF MINNESOTA

STAT 3011 *Introduction to Statistical Analysis*,

Spring 2008, Fall 2007, Summer 2007, Spring 2007, Fall 2006, Fall 2005

Teaching Assistant, UNIVERSITY OF MINNESOTA

STAT 5102 *Theory of Statistics 2*, Spring 2006

STAT 1001 *Introduction to the Ideas of Statistics*, Summer 2005

STAT 5932 *Applied Mixed Models*, Spring 2005

STAT 5031 *Statistical Methods for Quality Improvement*, Spring 2005

STAT 5302 *Applied Regression Analysis*, Fall 2004

STAT 3021 *Introduction to Probability and Statistics*, Spring 2004, Fall 2003

Professional Society Membership

American Statistical Association, Institute of Mathematical Statistics

Research Interests

Markov Chain Monte Carlo, Subsampling, Standard Errors, and Statistical Computing.

Papers Under Review

Flegal, J. M., Haran, M. and Jones, G. L. (2007). Markov chain Monte Carlo: Can we trust the third significant figure? Revised for *Statistical Science*.

Presentations

“Using Subsampling in Markov Chain Monte Carlo,” August 1, 2007 Joint Statistical Meetings, Salt Lake City, UT.

Posters

“Spectral Variance Estimators in Markov Chain Monte Carlo,” January 8, 2008 Adap’ Ski 08, Bormio, Italy.

Other

Received travel support for “MCMSki”: Markov chain Monte Carlo in Theory and Practice, January 2008, Bormio, Italy.

Received travel support for DIMACS Workshop: Markov Chain Monte Carlo: Synthesizing Theory and Practice, June 2007, Rutgers, NJ.

Served as a referee for *Journal of Computational and Graphical Statistics*.