

Trent L. Lalonde

Citizenship: U.S.
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Education

PhD, Statistics, August 2009, School of Mathematical and Statistical Sciences, Arizona State University

Master of Arts, Mathematics (Applied Mathematics), May 2004, Department of Mathematics, University of Wisconsin - Madison

Bachelor of Science, Mathematics and Physics, May 2001, Department of Mathematics and Computer Science, Department of Physics, Clarkson University

Dissertation

Components of Overdispersion in Hierarchical Generalized Linear Models

Jeffrey R. Wilson, Chair

Publications

Chan, S., Dochtermann, A., Foisy, J., Hespen, J., Kunz, E., Lalonde, T., Loney, Q., Sharrow, K., Thomas, N. (2004) Graphs With Disjoint Links in Every Spatial Embedding. *Journal of Knot Theory and Its Ramifications*, **13**, 6 737-748

Exact Logistic Models for Nested Binary Data (Submitted to *Statistics in Medicine*, 2009)

Analysis of Binary Responses with Time-Varying Covariates (In Progress)

Statistical Consulting

Statistical Consultant in ASU Statistics Lab, August 2007 through May 2008

Assisted ASU students and non-statistics faculty with statistical projects and coding using SAS, SPSS, Minitab, Excel

Research Experience

School of Health Management and Policy, May 2006 through August 2006

Worked as statistical research associate on model building, data management, and data analysis using SAS, STATA, and Excel

Sun Health Institute NIOSH Grant, February 2005 through July 2005

Worked as statistical research associate on data management and analysis projects using SAS and Excel

NSF VIGRE Fellow, August 2001 through August 2002, August 2003 through December 2003 (University of Wisconsin - Madison)

Worked as programming assistant on testing solutions and stability of nonlinear PDE's

NSF REU, Summer 2001 (Texas A and M University)

Worked as research associate on digital reproduction using Wavelet analysis

NSF REU, Summer 2000 (Clarkson University / SUNY Potsdam)

Worked as project leader on intrinsic linking in topological graphs project

NSF REU, Summer 1999 (Clarkson University / SUNY Potsdam)

Worked as research associate on intrinsic linking in topological graphs project

Teaching Experience and Recognition

Elements of Statistics	Introduction to Biostatistics (TA)	Design of Experiments (TA)
Experimental Statistics (Grader)	Probability and Statistics (Grader)	Brief Calculus
Finite Mathematics	College Mathematics	College Algebra
Calculus (TA)	Pre-Calculus	
Multivariate Calculus (TA)	Differential Equations (TA)	Physics (TA)

Outstanding Teaching Assistant Award, Arizona State University, Department of Mathematics and Statistics, 2006

Miller / Davis Service Award, Clarkson University, Department of Mathematics and Computer Science, 2000

Relevant Graduate Level Coursework

Theory of Mixed Models	Statistical Computing	Categorical Analysis
Asymptotic Analysis	Bayesian Analysis	Mathematical Statistics
Analysis of Variance	Multivariate Analysis	Advanced Biostatistics
Theory of Linear Models	Advanced Probability	Population Dynamics
Nonparametric Statistics	Advanced Design of Experiments	Regression Analysis
Nonparametric Smoothing		

Paper Presentations

American Statistical Association Joint Statistical Meetings, Denver, Colorado, 2008, *Multilevel Overdispersion in Hierarchical Generalized Linear Models*

American Statistical Association Joint Statistical Meetings, Salt Lake City, Utah, 2007, *Use of Hierarchical Generalized Linear Models for Overdispersion*

American Mathematical Society Winter Meetings, New Orleans, Louisiana, 2001, *Hereditary Linking Properties of Graphs*

American Mathematical Society / Mathematical Association of America Joint Meetings, Providence, Rhode Island, 1999, *Intrinsically (Edge) Disjoint Graphs*

Professional Organizations

Member of American Statistical Association (ASA)

Member of American Public Health Association (APHA)

Member of American Mathematical Society (AMS)

Member of Mathematical Association of American (MAA)

Member of Pi Mu Epsilon mathematical society (PME)