

Lianming Wang

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Degrees

- Ph.D. in Statistics, 2006, University of Missouri–Columbia, U.S.A.
- M.S. in Statistics, 2002, East China Normal University, P.R. China
- B.S. in mathematics 1999, Shandong University, P.R. China

Experience

- **Assistant Professor, August 2008 – Present**
Department of Statistics, University of South Carolina
- **Research Fellow, August 2006 – August 2008**
Biostatistics Branch, National Institute of Environmental Health Sciences
- NIEHS Training Assembly (NTA) Steering Committee, **September 2007 – May 2008**
National Institute of Environmental Health Sciences
- **Graduate Teaching/Research Assistant, August 2002 – July 2006**
Department of Statistics, University of Missouri- Columbia

Research Interests

- Survival analysis
- Bayesian analysis
- Semi- and non-parametric analysis
- Multivariate analysis
- Multiple hypothesis testing
- Biomedical application

Teaching experience

- Stat 515: Statistical Methods I, Fall 2011
- Stat 509: Statistics for Engineers, Spring 2011
- Stat 517: Computing in Statistics, Fall 2010
- Stat 509: Statistics for Engineers, Fall 2010
- Stat 740: Statistical computing, Spring 2010

- Stat 509: Statistics for Engineers, Fall 2009
- Stat 509: Statistics for Engineers, Spring 2009
- Stat 511: Probability, Fall 2008
- Teaching assistant at University of Missouri, 2003 – 2006.

Publications

- L. Sun, **L. Wang**, and J. Sun (2006). "Estimation of the Association for Bivariate Interval-censored Failure Time Data". *Scandinavian Journal of Statistics*, Vol. 33, 637-649.
- **L. Wang**, L. Sun, and J. Sun (2006). "A Goodness-of-fit Test for the Marginal Cox Model for Correlated Interval-censored Failure Time Data". *Biometrical Journal*, 5, 1-9.
- **L. Wang**, J. Sun, and X. Tong (2008). "Efficient Estimation for Bivariate Current Status Data". *Lifetime Data Analysis*, 14, 134-153.
- **L. Wang** and D. Dunson (2010). "Semiparametric Bayes Multiple testing: Application to Tumor Data". *Biometrics*, 66, 493-501.
- X. Lin and **L. Wang** (2010). "A Novel Semiparametric Probit Model for Case 2 Interval-censored Failure Time Data". *Statistics in Medicine*, 29, 972-981.
- **L. Wang**, J. Sun, and X. Tong (2010). "Regression Analysis of Case II Interval-censored Failure Time Data with the Additive Hazards Model". *Statistica Sinica*, 20, 1709-1723.
- **L. Wang** and D. Dunson (2011). "Semiparametric Bayes Proportional Odds Models for Current Status Data with Under-reporting". *Biometrics*, 67, 1111-1118.
- **L. Wang** and D. Dunson (2011). "Fast Bayesian Inference in Dirichlet Process Mixture Models". *Journal of Computational and Graphical Statistics*, 20, 196-216.
- **L. Wang** and X. Lin (2011). "A Bayesian approach for analyzing case 2 interval-censored failure time data under the semiparametric proportional odds model". *Statistics and Probability Letters*, 81, 876-883.
- X. Lin and **L. Wang** (2011). "Bayesian Proportional Odds Models for Analyzing Current Status Data: Univariate, Clustered, and Multivariate ". *Communications in Statistics - Simulation and Computation*, 40, 1171-1181.
- B. Cai, X. Lin, and **L. Wang** (2011). "Bayesian proportional hazards model for current status data with monotone splines". *Computational Statistics and Data Analysis*, 55, 2644-2651.
- **L. Wang** and D. Dunson (2011). "Bayesian Isotonic Density Regression". *Biometrika*, 98, 537-551.

Professional Activities/ Presentations

- Invited talk, "Bayesian semiparametric regression analysis of interval-censored data with

monotone splines", Joint seminar at Department of Statistics and Department of Epidemiology and Biostatistics, Athens, GA. September, 2011

- Research seminar talk "Bayesian Semiparametric Modeling of Onset and Progression from Current Status Data", Department of Statistics, USC, Columbia, SC. March 2011
- Invited talk, "Semiparametric Bayes Proportional Odds Models for Current Status Data with Under-Reporting", Department of Epidemiology and Biostatistics, Columbia, SC. April, 2010
- Poster presentation "Semiparametric Probit Models for Case 2 Interval-censored Failure Time Data", Bayesian Biostatistical Conference, Houston, TX. January, 2010
- Invited talk, "Semiparametric Bayes Proportional Odds Models for Current Status Data with Under-Reporting", MUSC, Charleston, SC. January, 2010
- "Semiparametric regression analysis of interval-censored data", Department of Statistics, USC, Columbia, SC. October 2009
- Contributed talk, "Semiparametric Bayes Proportional Odds Models for Current Status Data with Under-Reporting", Joint Statistical Meeting, Washington, D.C. August, 2009
- Chaired topic-contributed session "New Developments in Bayesian Nonparametric Methodology", Joint Statistical Meeting, Washington, D.C. August, 2009
- Contributed talk, "Semiparametric Bayes Multiple testing: Application to Tumor Data", ENAR Spring Meeting, San Antonio, Texas, March, 2009
- Attended ENAR "Junior Investigator Workshop", San Antonio, Texas, March, 2009
- Invited talk, "Bayesian Nonparametric modeling of Onset and Progression from Current Status Data", Winemiller 2008 Conference on Survival Analysis and Its Applications Columbia, MO, October, 2008
- Invited talk, "Bayesian Nonparametric modeling of Onset and Progression from Current Status Data", 40th Interface symposium: Computing Science and Statistics, Durham, NC, May, 2008
- Presented paper "Bayesian Isotonic Density Regression"
 - Invited, Department of Statistics, University of South Carolina, Columbia, South Carolina, February, 2008
 - Intramural research seminar, NIEHS, RTP, North Carolina, October, 2007
 - Joint Statistical Meeting (JSM), Salt Lake City, Utah, August, 2007
- Presented paper "Efficient Estimation for Bivariate Current Status Data"
 - Invited, International Chinese Statistics Association (ICSA) Applied Statistics Symposium, Raleigh, North Carolina, June, 2007
 - ENAR Spring Meeting, Atlanta, Georgia, March, 2007
 - Intramural research seminar, NIEHS, RTP, North Carolina, November, 2006
- Presented paper "A Conditional Approach for Regression Analysis of Interval-Censored Failure Time Data with the Additive Hazards Model"
 - JSM, Seattle, Washington, August, 2006
 - ENAR Spring Meeting, Tampa, Florida, March, 2006

- Presented paper "Assessment of the Marginal Cox Model for Binary Interval-Censored Failure Time Data" at ENAR Spring Meeting, Austin, Texas, March, 2005
- Chaired session "Non- and Semi-parametrics" at ENAR Spring Meeting, Atlanta, Georgia, March, 2007
- Attended JSM, Minneapolis, Minnesota, August, 2005
- Attended the 5th International Objective Bayesian Conference, Branson, Missouri, June, 2005
- Attended Conference on New Development of Statistical Analysis in Wildlife, Fisheries and Ecological Research (the 5th Winemiller Symposium), Columbia, Missouri, October, 2004
- Attended Bioinformatics Workshop, Beijing, China, July, 2001

Professional Society

- American Statistical Association
- International Biometric Society (East Northern American Region)
- International Chinese Statistical Association (ICSA)

Journal Reviewer

- American Journal of Epidemiology
- Bayesian Analysis
- Biometrical Journal
- Biometrics
- BMC Endocrine Disorders
- Communications in Statistics – Simulation and Computation
- Electronic Journal of Statistics
- Journal of Biometrics and Biostatistics
- Journal of Computational and Graphical Statistics
- Journal of the American Statistical Association
- Journal of Statistical Computation and Simulation
- Journal of Statistical Planning and Inference
- Lifetime Data Analysis
- Statistica Sinica
- Statistics and Probability Letters
- Statistics in Medicine
- TEST

Department/University Service

- Undergraduate Advisory Committee, Department of Statistics, USC, September, 2010 - present.
- Qualifying exam committees (PhD and Master), Department of Statistics, USC, October, 2009 - present.
- Grievance Committee, Department of Statistics, USC, September, 2009 - present.
- Computer Committee, Department of Statistics, USC, September, 2009 - August 2010.
- Library Representative for the Department of Statistics, USC, August, 2008 – August 2010.

Last updated: 9/26/2011