Lu Wang | Curriculum Vitae

Ph.D. Candidate, Dept of Statistics, University of South Carolina

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Education

Ph.D. Program (Ongoing), Statistics
Dept of Statistics, University of South Carolina, Columbia, SC, United States   *2014–Now*
PhD Dissertation: Semiparametric Regression Analysis of Arbitrarily Censored Data and Panel Count Data
Advisor: Lianming Wang
Expected Date of Graduation: May 2020

Bachelor of Medicine, Clinical Laboratory Science
West China School of Medicine, Sichuan University, Chengdu, P.R China   *2008–2013*

Research Interests

Semi-Parametric Modeling, Bayesian Modeling and Computing, Complex Censored Data, Panel Count Data, Invertible Neural Network, Variational Inference, Survival Analysis, Mixture Model, Longitudinal Data, Joint Modeling, Reinforcement Learning, Convex Optimization.

Research Projects

- Lu Wang and Lianming Wang. *'Fitting Semi-parametric Proportional Odds Models to Randomly Right-Censored Data'* (Submitted to "Communications in Statistics - Theory and Methods")

- Lu Wang and Lianming Wang. *'Fitting Semi-parametric Proportional Odds Models to Arbitrarily Censored Data with EM Algorithm'* (to be submitted)

- Lu Wang, Chunling Wang, Xiaoyan Lin and Lianming Wang. *'Regression Analysis of Panel Count Data Accounting for Within-Subject Correlation with Nonparametric Frailty Distribution'* (to be submitted)

- Edsel Pena and Lu Wang. *'Recurrent Event Modeling and Analysis of Mass Shootings in the United States'* (to be submitted)

- Lu Wang, Xiaoyan Lin and Lianming Wang. *'Modeling unknown functions with Gamma process in the regression of panel count data and interval censored data'* (on going)

- Lu Wang and Lianming Wang. *'Regression analysis of multivariate interval-censored failure time data under the gamma frailty proportional odds model'* (on going)

Experience

Lecture Instructor — **University of South Carolina**
STAT 509: Statistics for Engineers — *Fall 2018 & Summer 2019*

Lecture Instructor — **University of South Carolina**
STAT 201: Elementary Statistics — *Spring 2018 & Fall 2019*

Teaching Assistant — **University of South Carolina**
Lab instructor: STAT201; Grader: STAT740,509,512,515, etc. — *2014–2019*

Internship — **GCP Centre (Chengdu)**
Project: LC-MS/MS Method for Analyzing Glimepiride in Human Plasma — *2013*

Internship — **Geriatrics Medical Centre**
Maintaining health records, documenting information — *2013*

Internship — **West China Hospital**
Department of Laboratory Medicine: laboratory tasks — *2012*

Trainee — **West China Hospital**
Division of Clinical Molecular Diagnostics: paternity testing — *2009*

Presentations

- "Semiparametric Bayes Proportional Odds Models for arbitrarily censored failure time data", Joint Statistical Meetings, Baltimore, 2017

- "Fitting Semi-parametric Proportional Odds Models to Arbitrarily Censored Data with EM Algorithm", South Carolina Chapter of the American Statistical Association, 2018

Technical and Personal skills

- **Programming Languages:** R, Python, TensorFlow, SAS, LaTeX.

- **Industry Software Skills:** Most MS Office products including Excel, Power Point and Word.

Main Courses

Reliability and Life Testing, Statistical Computing, Statistical Learning, Multivariate Analysis, Stochastic Processes, Applied Longitudinal Data Analysis, Advanced Statistical Inference, Large Sample Theory, etc.

References

Lianming Wang	Associate Professor	803-777-2834	wang99@mailbox.sc.edu
Edsel Peña	Professor	803-576-5813	pena@stat.sc.edu
Xiaoyan Lin	Associate Professor	803-777-3788	lin@stat.sc.edu