

Haiyan Su
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EDUCATION

Ph.D., Statistics	University of Rochester	July 2009
M.S., Mathematics/Statistics	Syracuse University	July 2004
B.S., Probability and Statistics	Peking University, China	July 1997

PROFESSIONAL EXPERIENCE

Assistant Professor	Montclair State University	2009-Present
Graduate Research Assistant	University of Rochester	2004-2009
Intern	Merck Research Lab	2007

TEACHING EXPERIENCE

Instructor, Stat547, Design and Analysis of Experiment, Montclair State University	Spring 2012
Instructor, Stat595, Applied Longitudinal Analysis, Montclair State University	Fall 2011
Instructor, Stat 640, Biostatistics I, Montclair State University	Spring 2011
Instructor, Stat 641, Biostatistics II, Montclair State University	Fall 2010
Instructor, Stat 401, Applied Statistics for Sciences, Montclair State University	Spring 2010, 2012
Instructor, Math 109, Introductory Statistics, Montclair State University	Fall 2009-present
Teaching Assistant, <i>Longitudinal Data Analysis</i> , University of Rochester	Spring 2008
Teaching Assistant, <i>Generalized Linear Models</i> , University of Rochester	Fall 2007
Teaching Assistant, <i>Introduction to Biostatistics</i> , University of Rochester	Fall 2004, Fall 2005
Tutor in mathematics courses in the Summer Start Program, Syracuse University	Summer 2004
Recitation Instructor for <i>Introduction to Elementary Statistics I, II</i> , Syracuse University	2002-2004
Led groups of 30 students outside of the Mathematics department in computer labs, reviewed course content, summarized important statistical concepts, answered questions and graded exam.	
Teaching Assistant, <i>Mathematical Statistics, Multivariate Statistics</i> , Syracuse University	

PUBLICATIONS

Peer-Reviewed Publications:

- [1] Dudewicz, E.J, Ma, Y., Mai, E, **Su, H.** (2007). Exact Solutions to Behrens-Fisher Problem: Asymptotical optimal and finite sample efficient choice among. *Journal of Statistical Planning and Inference*, Vol 137/5 pp 1584-1605.
- [2] Liang, H., **Su, H.**, Zou, G. (2008). Confidence intervals for a common mean with missing data with applications in AIDS study. *Computational Statistics and Data Analysis*. Vol.53, pp 546-553.
- [3] Guttuso T, McDermott MP, **Su H**, Kiebertz K. (2008). Effects of L-Isoleucine and L-Valine on Hot Flashes and Serum Homocysteine: A Randomized Controlled Trial. *Obstetrics & Gynecology*, 2008; 112:109-115.
- [4] Huang, L.-S., **Su, H.** (2009). Nonparametric F-Tests for Nested Global and Local Polynomial Models. *Journal of Statistical Planning and Inference*, Vol 139, pp 1372-1380
- [5] Poleshuck, E., Talbot, N.L., **Su, H.**, Tu, X., Chaudron, L., Gamble, S., Giles, D.E. (2009). Pain as a predictor of depression treatment outcomes in women with childhood sexual abuse. *Comprehensive Psychiatry*. Vol 50, pp 215-220.
- [6] Liang, H., **Su, H.**, Thurston, S.W., Meeker, J., Hauser R. (2009). Empirical likelihood based inference for additive partial linear measurement error models. *Statistics and Its Interface*. Vol 2, pp 83-90.
- [7] Feng, C., **Su, H.**, Wang, H., Tang, W., Tu, X. (2009) Testing Normality for Linear Regression Analysis within a Longitudinal Data Setting. *Far East Journal of Theoretical Statistics*. Vol 28, pp 133-155.
- [8] **Su, H.**, Qin, Y.S., Liang, H. (2009) Empirical likelihood-based confidence interval of ROC curves. *Statistics in Biopharmaceutical Research* , Vol 1, pp 407-414.
- [9] **Su, H.**, Liang, H. (2010) Comparison of treatment effect – an empirical likelihood based method. *Computational Statistics and Data Analysis*, Vol 54, pp 1079-1088.
- [10] Fernandez, I. D., **Su, H.**, Winters, P. C., Liang, H. (2010) Association of Workplace Chronic and Acute Stressors with Employee Weight Status: Data From Worksites in Turmoil. *Journal of Occupational and Environmental Medicine* , Vol 52, pp S34-S41.
- [11] **Su, H.**, Zhou, M., Liang, H. (2011) Parametric/nonparametric hybrid two sample problem by empirical likelihood with censored data. *Lifetime Data Analysis*. (In Press)
- [12] Feldman, C., Mahadevan, M., **Su, H.**, Brusca, J, Ruzsilla, J. (2011) Menu engineering: A strategy for seniors to select healthier meal. *Perspectives in Public Health*. (Accepted).

INVITED RESEARCH TALKS

- Empirical likelihood inference of two-sample comparison with censored data. *International Chinese Statistical Association Applied Statistics Symposium, New York City, June 29, 2011.*
- Empirical likelihood inference of two-sample comparison with censored data. *Department of Mathematical Sciences and Center for Applied Mathematics and Statistics, New Jersey Institute of Technology. February 17, 2011.*
- Comparison of Treatment Effects-An Empirical Likelihood-based Method. *Merck Research Labs, Upper Gwynedd, PA, June 18, 2009*

RESEARCH TALKS/WORKSHOP

- Empirical likelihood inference for two sample comparison with censored data, *The Joint Statistical Meeting, Miami, August 4, 2011.*
- NISS/ASA Writing Workshop for Junior Researchers, Miami, July 30, 2011.
- NJ ASA Chapter Spring Symposium, Bayesian and frequentist adaptive designs in clinical trials, UMDNJ Robert Wood Johnson Medical School, Piscataway, June 3, 2011.
- Generalized p-value for zero variance components in linear mixed-effects models and linearity determination in additive nonparametric models, *Eastern North American Region of the Biometrics Society Meeting, Miami, Florida, March 21, 2011.*
- Empirical likelihood inference for two sample comparison with censored data, *The Joint Statistical Meeting, Vancouver, August 3, 2010.*
- Semiparametric hybrid empirical likelihood inference for two sample comparison with censored data, *International Chinese Statistical Association Applied Statistics Symposium, Indianapolis, Indiana, June 23, 2010.*
- Semiparametric Hybrid Empirical Likelihood Inference for Two-sample Comparison with Censored Data, *Eastern North American Region of the Biometric Society Meeting, New Orleans, LA, March 22, 2010.*
- Attended “the parallel computing” workshop at Kean University, June 23- July 2, 2010
- Attended “*the Biostatistics Day*” Symposium at Rutgers University, April 16, 2010.
- Attended “*30 Years of Bootstrap & Recent Advances in Statistics*” Symposium at Rutgers University, December 9, 2009.
- An Empirical Likelihood-based Method for Comparison of Treatment Effects: Test Equality of Coefficients in Linear Models. *Joint Statistical Meeting, Washington DC, August 6, 2009*
- Comparison of Treatment Effects-An Empirical Likelihood-based Method. *Eastern North American Region of the Biometric Society Meeting, Atlanta, Georgia, March 18, 2009.*
- Empirical likelihood based inference for high-dimensional data. *International Chinese Statistical Association Applied Statistics Symposium, Piscataway, New Jersey, June 6, 2008.*
- A generalization of the Z-test to multivariate normality with missing data. *Eastern North American Region of the Biometric Society Meeting, Atlanta, Georgia, March 14, 2007.*
- A novel longitudinal data normality assumption test in the IPT study. *Merit Awards Poster Competition, University of Rochester Medical Center, May, 15, 2007.*
- Enhanced survival analysis. *Merck Research Labs, Upper Gwynedd, PA, August 11, 2007.*
- Using Auxiliary marker information to enhance survival analysis. *Department of Biostatistics and Computational Biology Brown Bag Seminar, November 1, 2007.*

HONORS AND AWARDS

Teaching Fellow, Research Academy for University Learning, Montclair State University. 2009-2010
Merck Quantitative Sciences Fellowship, University of Rochester 2006-2009
Dean's Fellowship, University of Rochester 2004-2006

SERVICE

Referee: Journal of Biostatistics, Journal of Statistical Computation and Simulation. 2011-Present
Referee: Journal of Nonparametric Statistics, Journal of Statistics Planning and Inference 2009-Present
Journal of Scandinavian Statistics, Journal of Applied Mathematics and Computation.
Member of the library committee, Department of Mathematical Sciences, Montclair State University. 2009- Present
Department newsletter editor. 2009-2010
Steering committee member, Department of Mathematical Sciences, Montclair State University. 2010
Thesis committee member for following students:
Marina Nikolaeva(2010--), Statistics, Master student.
Natalie Sherwood(2010--2011), Biology, Master student.

PROFESSIONAL MEMBERSHIPS

Present: International Chinese Statistical Association (ICSA) 2009
Present: American Statistical Association (ASA) 2008
Present: East North American Region (ENAR) 2008