

Curriculum Vitae

Contact Information

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Education

University of Iowa, Iowa City, Iowa

Ph.D. in Statistics May 2007 GPA: 4.0/4.0

Dissertation: Regression with smoothly clipped absolute deviation penalty

Advisor: Jian Huang, Ph.D.

University of Iowa, Iowa City, Iowa

M.S. in Statistics May 2004 GPA: 4.0/4.0

University of Science and Technology of China, Hefei, Anhui, China

M.S. in Probability Theory and Mathematical Statistics Jun. 2002 GPA: 4.0/4.0

Dissertation: A unified study of some stochastic orders

Advisor: Taizhong Hu, Ph.D.

University of Science and Technology of China, Hefei, Anhui, China

B.S. in Finance Jun. 1999 GPA: 3.9/4.0

Work Experience

Department of Statistics and Actuarial Science, University of Iowa, Iowa City, Iowa

Research Assistant Aug. 2006 - Present

Supervisor: Jian Huang, Ph.D.

Department of Statistics and Actuarial Science, University of Iowa, Iowa City, Iowa

Teaching Assistant Aug. 2003 - Jan. 2004, Aug. 2004 - May 2005

Course: Elementary statistics and inference

Supervisor: Mary Russo, M.A.T.

California Testing Bureau, 20 Ryan Road, McGraw-Hill, Monterey, California

Research Intern Jun. 2004 - Aug. 2004

Research project: skill diagnosis using Bayesian inference network

Supervisor: Richard Schwarz, Ph.D.

Department of Statistics and Finance, University of Science and Technology of China, Hefei, Anhui, China

Teaching Assistant Sep. 1999 - Jun. 2000, Sep. 2001 - Jun. 2002

Courses: Time series analysis, Probability theory, Actuarial exam preparation, and Mathematical statistics

Supervisors: Taizhong Hu, Chun Su, Yaohua Wu, Zhiqiang Wu, Ph.D.'s

Department of Statistics and Finance, University of Science and Technology of China, Hefei, Anhui, China

Research Assistant Sep. 2000 - Jun. 2001

Supervisor: Taizhong Hu, Ph.D.

American International Assurance, Ltd, AIG, Shanghai, China

Actuarial Intern Jul. 2000 - Aug. 2000

Practice: life insurance product pricing, reserves evaluation, commission study.

Supervisors: William Bo, FSA and Sheldon Yu, FSA

Honors and Awards

Presidential Fellow, University of Iowa, 2002-2006.

Henry L. Rietz Award, Department of Statistics and Actuarial Science, University of Iowa, 2005.

Shekou Education Scholarship, Business School, University of Science and Technology of China, 2001.

Outstanding Thesis Award, University of Science and Technology of China, 1999.

Presidential (Guomoruo) Fellow, University of Science and Technology of China, 1995-1999.

First Class Prize in SOA Course 100 exam, Society of Actuaries, 1998.

Japanese Communication Enterprise Scholarship, University of Science and Technology of China, 1997.

Publications

Huiliang Xie and Jian Huang (2007), "SCAD-Penalized regression in high-dimensional partially linear models", *Annals of Statistics*, to appear.

Jian Huang and Huiliang Xie (2007), "Asymptotic oracle properties of SCAD-penalized least squares estimator", *Asymptotics: Particles, Processes and Inverse Problems*, Institute of Mathematical Statistics, 149–166.

Jian Huang, Shuangge Ma and Huiliang Xie (2006), "Least absolute deviation estimation for the accelerated failure time model", *Statistica Sinica*, **17**, 1533–1548.

Jian Huang, Shuangge Ma and Huiliang Xie (2006), "Regularized estimation in the accelerated failure time model with high dimensional covariates", *Biometrics*, **62**, 813-820.

Taizhong Hu, Asok K. Nanda, Huiliang Xie and Zegang Zhu (2004), "Properties of some stochastic orders: A unified study", *Naval Research Logistics*, **51**, 193-216.

Taizhong Hu and Huiliang Xie (2002), "Proofs of the closure property of NBUC and NBU(2) under convolution", *Journal of Applied Probability*, **39**, 224-227.

Presentation

Richard Schwarz, Huiliang Xie and Lihua Yao (2005), "Using Bayesian inference networks for representing developmental ordering in diagnostic assessments", Annual Meeting of Measurement in Education, Montreal, Canada.

Manuscripts

Jian Huang, Shuangge Ma, Huiliang Xie and Cunhui Zhang (2007), "The group bridge method for simultaneous group and individual variable selection in regression", *Biometrika*, invited revision.

Huiliang Xie and Jian Huang (2007), "SCAD-penalized regression in the accelerated failure time model", submitted to *Scandinavian Journal of Statistics*.

Computing Skills

C, Fortran, Visual Basic; R, S-Plus, SAS, ITSM, Mathematica, MATLAB.

Research Interests

Data mining, semiparametric modeling, survival analysis, bioinformatics, stochastic orders.