
Curriculum Vitae

Xinghao Qiao

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Education

2015(expected) USC, Marshall School of Business, Dept. of Data Sciences and Operations, PhD candidate in Business Statistics

Dissertation Committee: Gareth James (Chair), Jinchi Lv, Peter Radchanko, Yingying Fan (DSO) and Larry Goldstein (Math)

GPA: 3.82/4.00

6/2010 The University of Chicago, M.S. in Statistics

GPA: 3.82/4.00

8/2007 Tsinghua University, Academic Talent Program, B.S. in Mathematics and Physics

Research Papers

1. **Qiao, X.**, Jame, G., Lv, J., Functional Graphical Models. (in preparation).
2. Radchenko, P., **Qiao, X.**, James, G., Index Models for Sparsely Sampled Functional Data, Journal of American Statistical Association (to appear).
3. Jame, G., Sun, W., **Qiao, X.**, Discussion of “Clustering Random Curves Under Spatial Dependence” by Serban and Jiang, Technometrics 54(2012), 123-126.
4. **Qiao, X.**, A modified block Lanczos method for large symmetric matrix eigenproblems. (working paper).
5. Kong, L., **Qiao, X.**, Guan, J., Positive solutions of singular super linear fourth order boundary value problem, Journal of Harbin Institute of Technology (New Series), 13(4)(2006):504-506.

Academic Experience

- 8/2010-present RA for Prof. Gareth James, DSO Department, Marshall School of Business, USC
- Finished a project about index models for sparsely sampled functional data.
 - Working on graphical models for functional data.
- 8/2009-6/2010 Reading and Research with Prof. Weibiao Wu, Department of Statistics, the Univ. of Chicago
- Reviewed former academic work and conducted simulation studies to compare different approaches in the field of Estimation of Large Covariance Matrices.
- 4/2009-5/2009 Statistical Consulting Project, the Univ. of Chicago
- Finished project: “Comparisons of complexity of hand shape for signer, home signers and gestures” for Dr. Marie Coppola, Department of Psychology

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- 2/2007-7/2007 Member of Numerical Algebra Group led by Prof. Zhongxiao Jia, Department of Mathematical Sciences, Tsinghua Univ.
- Outstanding undergraduate thesis: “A modified Lanczos method and its block version for large symmetric matrix eigenproblems”

Teaching Experience

- Fall 2013 Instructor for BUAD 310, Applied Business Statistics, Marshall School of Business
Spring 2013 TA for BUAD310, Applied Business Statistics, Marshall School of Business

Conference & Talks

- 7/2014 Joint Meeting between IMS and the Australian Statistical Conference, Sydney, Australian
6/2013 DSO Statistics Seminar, University of Southern California, Los Angeles, CA
9/2012 IOM Statistics Seminar, University of Southern California, Los Angeles, CA

Awards

- 2010-2014 Marshall PhD student Graduate Assistantship, USC
2008-2010 Student Tuition Assistantship, the Univ. of Chicago
2006 Mathematical Modeling Scholarship, Tsinghua Univ. (only 7 winners)
2006 Second Prize in Mathematical Modeling Competition, Tsinghua Univ (No.3 /400)
2005 Excellent Student Leader, Tsinghua University

Courses (USC)

Mathematical & Applied Statistics:

- MATH 541b: Mathematical Statistics II (A)
IOM 606: Bayesian Data Analysis (A)
IOM: Applied Modern Statistical Learning Methods (A)

Probability:

- MATH 507a: Theory of Probability I (A)
MATH 505b: Theory of Probability II (A)

Economics/Finance & Econometrics:

- ECON: Selected Issues in Economics Theory I (A)
ECON 613: Economics/Finance Time Series I (A)
FBE653: Theoretical Asset Pricing (B)
FBE654: Empirical Asset Pricing (B)

Research Topics:

- IOM 681: Nonlinear Optimization (A)
IOM 599: High Dimensional Statistics (A)
IOM 599: Asymptotic Statistics (A-)

Skills

Proficient in R, MatLab, C/C++, Microfit, LaTeX, VBA and basic programming skills in SAS, Maple,