
Assistant Professor of Statistics
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Academic Positions

7/2007 - Present Assistant Professor, University of Southern California, Los Angeles, CA
Information and Operations Management Department
Marshall School of Business

Education

9/2003 - 6/2007 Ph.D. Mathematics
Princeton University, Princeton, NJ
9/2001 - 7/2003 M.S. Mathematics
University of Science and Technology of China, China
9/1997 - 7/2001 B.S. Mathematics
University of Science and Technology of China, China

Publications and Manuscripts

1. Lv, J. and Fan, Y. (2008). A unified approach to model selection and sparse recovery using regularized least squares. *Manuscript*.
2. James, G., Radchenko, P. and Lv, J. (2009). DASSO: connections between the Dantzig selector and Lasso. *Journal of the Royal Statistical Society Series B* **71**, 127–142.
3. Fan, J. and Lv, J. (2008). Sure independence screening for ultrahigh dimensional feature space (with discussion). *Journal of the Royal Statistical Society Series B* **70**, 849–911.
4. Fan, J. and Lv, J. (2008). Rejoinder: Sure independence screening for ultrahigh dimensional feature space. *Journal of the Royal Statistical Society Series B* **70**, 905–908.
5. Fan, J., Fan, Y. and Lv, J. (2008). High dimensional covariance matrix estimation using a factor model. *Journal of Econometrics* **147**, 186–197.
6. Cai, T. and Lv, J. (2007). Discussion: The Dantzig selector: statistical estimation when p is much larger than n . *The Annals of Statistics* **35**, 2365–2369.
7. Fan, J., Fan, Y. and Lv, J. (2007). Aggregation of nonparametric estimators for volatility matrix. *Journal of Financial Econometrics* **5**, 321–357.
8. Lv, J. (2005). Compact space-like hypersurfaces in de Sitter space. *International Journal of Mathematics and Mathematical Sciences*, 2053–2069.
9. Xu, S. and Lv, J. (2003). The dilatation invariant in the homotopy of spheres. *International Journal of Mathematics and Mathematical Sciences*, 119–124.
10. Xu, S. and Lv, J. (2002). Curvature and Betti numbers. *Mathematica Applicata* **15**, 57–61.
11. Lv, J., Ma, X., Cao, F. and Tao, D. (2001). The mathematical models on the classification of the DNA sequences (in Chinese). *Mathematics in Practice and Theory* **31**, 46–53. (Top 2 paper in 2000 China Mathematical Contest in Modeling.)
12. Lv, J. (2000). The generalization of a theorem in real analysis and its application (in

Chinese). *Waming* (USTC) **55**, 23–26.

13. Lv, J. (2000). Line integrals of geodesic curvature of curves on revolution surfaces (in Chinese). *Waming* (USTC) **55**, 17–22.

Grants, Honors and Awards

2008 - 2011	National Science Foundation (NSF) grant DMS-0806030, single PI
2008 - 2009	2008 Zumberge Individual Award from USC's James H. Zumberge Faculty Research and Innovation Fund, single PI
Fall 2006	Graduate Fellow at SAMSI, Research Triangle Park, NC
2003 - 2004	Princeton University Fellowship
2002	Huawei Scholarship
2001	Meritorious Winner in 2001 USA Interdisciplinary Contest in Modeling
2001	Shing-Tung Yau Scholarship
2000	First Prize in 2000 China Mathematical Contest in Modeling
1997 - 2001	USTC Excellent Student Scholarship

Professional Services

2008 - Present	Associate Editor of <i>Statistica Sinica</i>
2007 - Present	Reviewer for <i>The Annals of Statistics</i> ; <i>Journal of the American Statistical Association - Theory and Methods</i> ; <i>Biometrika</i> ; <i>Statistica Sinica</i> ; <i>Journal of Business and Economic Statistics</i> ; <i>Journal of Multivariate Analysis</i> ; <i>Statistics and Its Interface</i> ; <i>Journal of Machine Learning Research</i>
2009	Invited session organizer at the 2009 Joint Statistical Meetings
2008	Session chair at the 2008 Joint Statistical Meetings
2007	Session organizer and session chair at the 2007 Joint Statistical Meetings
2007 - 2008	Chair of IOM department statistics seminar, Marshall School of Business
2007	Served on the dissertation committee for USC graduate student Siva Tian, Quantitative Psychology

Invited Talks

- Joint Statistical Meetings, Washington, DC, August 2009
- Institute of Mathematical Statistics Asia Pacific Rim Meetings, Seoul, Korea, June 2009
- The 2009 WNAR/IMS Meeting, Portland, OR, June 2009
- Department of Biostatistics, University of California, Los Angeles, Los Angeles, CA, October 2008
- North American Winter Meeting of the Econometric Society, New Orleans, LA, January 2008
- Radcliffe Institute for Advanced Study, Harvard University, Boston, MA, November 2007
- Joint Statistical Meetings, Salt Lake City, UT, July 2007
- Department of Statistics and Probability, Michigan State University, East Lansing, MI, February 2007
- Department of Statistics, Harvard University, Boston, MA, February 2007

- Department of Statistics, The Wharton School, University of Pennsylvania, Philadelphia, PA, February 2007
- MIT Sloan School of Management, Massachusetts Institute of Technology, Boston, MA, February 2007
- Department of Applied Mathematics, University of Colorado, Boulder, CO, February 2007
- Department of Statistics, Rutgers University, New Brunswick, NJ, February 2007
- Information and Operations Management Department, Marshall School of Business, University of Southern California, Los Angeles, CA, January 2007
- Department of Statistics, Pennsylvania State University, University Park, PA, January 2007
- The MIT Econometrics Lunch Seminar, Massachusetts Institute of Technology, Boston, MA, November 2006
- SAMSI, Research Triangle Park, NC, October 2006
- Joint Statistical Meetings, Seattle, WA, August 2006

Research Experience

7/2007 - Present	Assistant Professor, University of Southern California, Los Angeles, CA
Fall 2006	Graduate Fellow, SAMSI, Research Triangle Park, NC
9/2003 - 6/2007	PhD Student, Princeton University, Princeton, NJ
2001	Mathematical modeling on a zebra mussel problem in 2001 USA Interdisciplinary Contest in Modeling
2000	Mathematical modeling for the classification of DNA sequences in 2000 China Mathematical Contest in Model
5/1999 - 7/2003	Undergraduate and Master's Student, University of Science and Technology of China, China

Teaching Experience

Fall 07 - Fall 08	BUAD 310 Applied Business Statistics, Marshall School of Business
Fall 04 - Spring 06	Teaching Assistant, Princeton University, Princeton, NJ
Spring 07	
Spring 02	Instructor of Multivariable Calculus, University of Science and Technology of China, China
2002	Advisor of three USTC undergraduates in 2002 China Mathematical Contest in Modeling
Fall 01 - Spring 03	Teaching Assistant, University of Science and Technology of China, China

Research Interests

- High dimensional statistical inference
- Variable selection and machine learning
- Financial econometrics
- Nonparametric and semiparametric methods

Professional Memberships

- American Statistical Association
- Institute of Mathematical Statistics
- Sigma Xi, The Scientific Research Society