

Lan Xue

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EDUCATION

- **Ph.D. in Statistics**, Michigan State University, East Lansing, Michigan
Expected May 2005
Dissertation advisor: Lijian Yang
Dissertation title: Additive coefficient modelling via marginal integration and polynomial spline smoothing
- **B.S. in Statistics**, University of Science and Technology of China, Anhui, China
1996-2000. Department of Statistics and Finance

HONORS

- **Student Award and Travel Fellowship** June 2004
International Chinese Statistical Association (ICSA) 2004 Applied Statistics Symposium
- Graduate Office Fellowship, MSU Graduate School June 2004
- USTC Excellent Student Scholarships, China 1996-1999

MANUSCRIPTS

- Xue, L., Yang, L. (2004). *Estimation of semiparametric additive coefficient model*. **Accepted by** Journal of Statistical Planning and Inference.
- Yang, L., Härdle, W., Park, B. U., Xue, L. (2004). *Estimation and testing of varying coefficients with marginal integration*. **Under revision for** J. Amer. Statist. Assoc.
- Xue, L., Yang, L. (2004). *Additive coefficient modelling via polynomial spline*. **Submitted for publication to** Statistica Sinica.
- Xue, L., Wang, L., Yang, L. (2004). *Efficient polynomial spline estimation of partially linear models for clustered data*. In preparation.
- Zuo, Y., Xue, L. (2004). *Alternative to the median and the median absolute deviation*. In preparation.

CONFERENCE PRESENTATIONS

- **Student award winner**. *Estimation of semiparametric additive coefficient model*. ICSA 2004 Applied Statistics Symposium, June 6-9, 2004, San Diego, California.
- **Invited speaker**. *Additive coefficient modelling of autoregressive time series*. The 6th ICSA International Conference, July 21-23, 2004, Singapore.
- **Invited speaker**. *Additive coefficient modeling via polynomial spline*. Joint Statistical Meetings, August 7-11, 2005, Minneapolis, Minnesota.

RESEARCH INTERESTS

- Nonparametric curve estimation, local polynomial smoothing and polynomial spline smoothing.
- Nonlinear time series analysis, model selection, forecasting.
- Robust statistics, data depth.
- Analysis of clustered (longitudinal) data.
- Statistical modelling of land use and land cover change.

RESEARCH EXPERIENCE

Research Assistant

May 2004-Dec. 2004

Dept. of Geology, MSU

- Nonparametric modelling for the *Climate and Land Interaction Project*.

Research Assistant

July 2004-April 2005

Dept. of Stat. & Prob., MSU

- Exploring *Monte-Carlo Multi-Step Ahead Forecasting for Nonlinear Time Series*.

Statistical Consultant

Jan. 2003-Dec. 2003

Statistical consulting center, MSU

- Provided statistical support for faculties and students at Michigan State University in areas of experimental design, data analysis and interpretation, time series analysis, modeling and prediction, classification.
- Worked on a survey project with a faculty member from Northern Michigan University, using categorical data analysis techniques.
- Wrote a SAS help about *Running hierarchical linear models using PROC MIXED (SAS)*.

TEACHING EXPERIENCE

Course instructor

May 2002-Aug. 2002

- Independently taught *Introductory business statistics* to 30 students, designed homework and exams, assigned final grades.

Recitation instructor

Sep. 2001-Dec. 2002, Jan. 2004-May 2004

- Taught recitation for *Introductory business statistics*, helped the students during the office hours and graded homework and exams.

Teaching assistant

Experimental Design

Sep. 2003-Dec. 2003

Linear Models

Sep. 2003-Dec. 2003

Multivariate Analysis

Jan. 2004-May 2004

- Assisted with the use of SAS, helped the students during the office hours and graded homework and exams.

COMPUTER SKILLS

- Programming skill in S-Plus, SAS, Fortran and C.
- Experience in stat. software: Mintab, ITSM, SPSS, Stata and Lisrel.
- Familiarity with Unix/Linux, Windows.
- Experience in LaTeX and Microsoft Office applications.

PROFESSIONAL AFFILIATIONS

- Member, American Statistical Association.
- Member, International Chinese Statistical Association.
- Member, Institute of Mathematical Statistics.

OTHER EXPERIENCES

- Refereed a paper for *Journal of Statistical Planning and Inference*.
- Tutor in statistics, Disability service, MSU, Sep. 01-Dec. 01.

REFERENCES

- Lijian Yang, Associated Professor and Ph.D thesis advisor
Department of Statistics and Probability
Michigan State University
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(517)353-6369
- Dennis C. Gilliland, Professor and Ph.D Guidance Committee member
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- Connie Page, Professor and Director of Statistical Consulting Service Center
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- James Stapleton, Professor and Graduate Director
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