

Yu, Yue

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Education

- 2009–present **Ph. D. Candidate in Mathematics**, *University of Illinois at Chicago, USA.*
- Concentrate in **Probability and Statistics**, over all **GPA: 4.0/4.0**.
- Adviser: Samad Hedayat.
- Degree Expected May 2012.
- DOCTORAL THESIS
- title *Assessment of Agreements for Linear and Generalized Linear Mixed Models.*
- 2007–2009 **Master of Science in Mathematics**, *University of Illinois at Chicago, USA.*
- Concentrate in **Probability and Statistics**, over all **GPA: 4.0/4.0**.
- 2003–2007 **Bachelor of Science**, *Fudan University, China.*
- Major in Mathematics and Applied Mathematics, last two years GPA: 3.4/4.0.
- UNDERGRADUATE THESIS
- title *Nonstatistical Methods for Credit Scoring and Its Applications.*

Academic Background

- Statistics General/Generalized Linear Models, Multivariate Analysis, Bayesian Analysis, Applied Statistical Methods, Survival/Longitudinal/Categorical Analysis, Optimal Designs, Probability Theory, Sampling Theory, Nonparametric Methods,
- Mathematics Calculus, Mathematical Analysis, ODE & PDE, Complex Analysis, Real Analysis, Linear Algebra, Modern Algebra, Topology,
- Computing Programming Language Design, Parallel Computing, Data Mining and Prediction, Scientific Software, Numerical Analysis,

Working Experience

- Jan. 2009 – Dec. 2010 **Research Statistician**, *Technology Resources/Statistics, Epidemiology & Surveillance*, Baxter Healthcare Corporation, Round Lake, IL.
- Served as a two-year contractor for statistical analysis and SAS/R programming and web tool developing, full time during summer and half time during the semester schedule.

Paper/Projects Working in Progress

- **Agreement: An R Package for Assessment of Agreements**, with *Dr. Lawrence Lin*, Package is available on CRAN, article is underwriting.
- **Cluster-Based Regularized Sliced Inverse Regression for Forecasting Macroeconomic Variables**, with *Prof. Jie Yang*, Submitted.
- **Partial Sliced Inverse Regression for Quality Relevant Multivariate Statistical Process Monitoring**, Under revision after positive reviews.

- **A Unified Approach to Assess Agreements for Unbalanced Continuous and Categorical Data with Covariates**, with Dr. Lawrence Lin, Work in progress.

Awards/Scholarships

- 2010–2011 **Chicago Consular Corps Scholarship.**
- 2003–2006 **Fundamental Science Scholarship**, Fudan University, China.
- Mar. 2007 **Meritorious Winner**, *Interdisciplinary Contest in Modeling*.
 - Administered by the Consortium for Mathematics and Its Applications, and sponsored by SIAM, the NSA, and INFORMS.
 - Webpage: <http://www.comap.com/undergraduate/contests/icm/>
- Dec. 2005 **Outstanding Award**, *Undergraduate Mathematical Modeling Contest*, China.
 - The **1st** in East China.
- Oct. 2002 **Second Prize**, *Chinese Mathematical Olympiad*, China.
- Dec, 2001 **First Prize**, *Chinese Physics Olympiad*, China.

Other Experience

Researching

- 2008 **Statistical Lab**, *UIC*.
 - Provided statistical consulting service for faculty, staff and graduate students inside or outside the university.
 - Webpage: <http://www.math.uic.edu/~jyang06/statlab/StatLab.html>
- 2007 **Parallel Computing Lab**, *Fudan University*.
 - Developed a parallel block reduction method for solving multiscale linear systems using LAPACK and MPI under Linux system.

Academia

- Feb. 2012 **ASA Conference on Statistical Practice**, *Orlando, Florida*.
- Oct. 2008 **Fifth Midwest Database Research Symposium**, *Chicago, Illinois*.
- May. 2008 **The 31st Midwest Biopharmaceutical Statistics Workshop**, *Muncie, Indiana*.

Teaching

- Spring 2012 **Lecturer**, *Department of Math, Stat, and CS, UIC*.
 - Teach graduate level statistics class STAT 401 – Introduction to Probability.
- 2007–2008, 2011 **Teaching Assistant**, *Department of Math, Stat, and CS, UIC*.
 - Taught discussion sections for STAT 381 – Applied Statistical Methods I, and MATH 121 – Precalculus.

Computer Skills

OS	Linux/Unix, Windows, MS-DOS	programming	C/C++, Python, SQL, HTML
job-related	R, SAS/Enterprise Guide, Matlab	scientific	Excel, SPSS, Minitab, Maple, Lingo

Research Interests

- Generalized Linear Mixed Models, Dimension Reduction, Data/Text Mining, Assessment of Agreements, Design of Experiments, and Survey Sampling.