

UNIVERSITY OF MIAMI
Curriculum Vitae

1. Date: March 10th, 2017

PERSONAL

2. Name: Emma Jingfei Zhang
3. Office Phone: 305-284-9831
4. Current Academic Rank: Assistant Professor
5. Primary Department: Management Science

HIGHER EDUCATION

6. Institutional (institution; degree; date conferred):
University of Illinois at Urbana-Champaign, PhD, 2014
Nankai University, BS, 2009

EXPERIENCE

7. Academic (institutions; rank/status; dates):
 - a) University of Miami, Assistant Professor, 2014-present
 - b) University of Illinois at Urbana-Champaign, PhD student/instructor, 2009-2014

PUBLICATIONS

8. Juried or refereed journal articles or exhibitions:

Deng, C., Guan, Y., Waagepetersen, R. and **Zhang, J.** (2017), "Second-order Quasi-likelihood for Spatial Point Processes," Biometrics, in press.

Zhang, J. and Cao, J. (2017), "Finding Common Modules in a Time-Varying Network with Application to the Drosophila Melanogaster Gene Regulation Network," Journal of the American Statistical Association, in press.

Zhang, J. and Chen, Y. (2017), "A Hypothesis Testing Framework for Modularity Based Network Community Detection," Statistica Sinica, 27, 437-456.

Zhang, J. and Chen, Y. (2015), “Monte Carlo Algorithms for Identifying Densely Connected Subgraphs,” *Journal of Computational and Graphical Statistics*, 24, 827-845.

Zhang, J. and Chen, Y. (2014), “Statistical Models for Networks Resilient to Targeted Attacks,” *Statistics and Its Interface*, 8, 267-276.

Zhang, J. and Chen, Y. (2013), “Sampling for Conditional Inference on Network Data,” *Journal of the American Statistical Association*, 108, 1295-1307.

He, X., Yang, Y. and **Zhang, J.** (2012), “Bivariate Downscaling with Asynchronous Measurements,” *Journal of Agricultural, Biological, and Environmental Statistics*, 17, 476-489.

Kraft, S., Chon, H., **Zhang, J.**, Tibbs, B., Ambrose, N. and Loucks, T. (2012), “Individual Variability in Delayed Auditory Feedback Effects on Speech Fluency and Rate in Normally Fluent Adults,” *Journal of Speech Language and Hearing Research*, 56, 489-504.

PROFESSIONAL

9. Funded Research Performed:

Grant: Provost Research Award, University of Miami

Project: Community Detection in Large Scale Product Co-Purchase Network

Principal Investigator: Emma Jingfei Zhang

Date: June 1st 2015-May 31st 2016

Grant: Provost Research Award, University of Miami

Project: Detect Fake Online Reviews Using Semantic Network Analysis

Principal Investigator: Emma Jingfei Zhang and Zoey Chen

Date: June 1st 2016-May 31st 2017

10. Editorial responsibilities: N/A

11. Professional and Honorary Organizations (member; officer; date):

Member, American Statistical Association

Member, Institute of Mathematical Statistics

Member, International Chinese Statistical Association

12. Honors and Awards:

- University of Miami Provost Award (2016)
- University of Miami Provost Award (2015)
- IMS new researchers conference travel award (2014)
- IMS/Laha Travel Award (2013)
- Student Paper Competition Winner for the ASA Sections on Statistical Computing and Statistical Graphics (2012)
- University of Illinois Norton Prize for Outstanding Thesis in Statistics (2013)
- University of Illinois Graduate College Conference Travel Award (2013)

13. Other Professional Activities:

Ad Hoc Journal Reviewing:

Journal of the American Statistical Association
Statistica Sinica
Electronic Journal of Statistics
Network Science
PIOS ONE

Invited Talks:

Invited talk on “A hypothesis testing framework for modularity based network community detection,” Joint Statistical Meetings, Chicago, IL, August 2016.

Invited talk on “Clustered temporal point process model with application to Sina Weibo user data,” Department of Statistics and Actuarial Science, Simon Fraser University, Montreal, BC, August 2016.

Invited talk on “A hypothesis testing framework for modularity based network community detection,” ICSA Applied Statistics Symposium, Atlanta, GA, June 2016.

Invited talk on “Community detection in networks,” Department of Finance, University of Miami, May 2016.

Invited talk on “Sampling for conditional inference on network data,” Department of Statistics, University of Alberta, Edmonton, Canada, October 2015.

Invited talk on “Sampling for conditional inference on network data,” Department of Business Statistics and Econometrics, Beijing University, Beijing, China, June 2015.

Invited talk on “A hypothesis testing framework for modularity based network community detection,” Department of Statistics, Fudan University, Shanghai, China, May 2015.

Invited talk on “Monte Carlo algorithms for identifying densely connected subgraphs,” Division of Biostatistics, Department of Public Health Sciences, University of Miami, September 2014.

Invited talk on “Monte Carlo algorithms for identifying densely connected subgraphs,” Joint Statistical Meetings, Boston, MA, August 2014.

Presentation on “Sampling for conditional inference on network data,” IMS New Researchers Conference, Boston, MA, August 2014.

Presentation on “Sampling for conditional inference on network data,” Mathematics Department, Syracuse University, Syracuse, NY, January 2014.

Presentation on “Detecting Structures in Networks,” Bohrer Workshop in Statistics, Department of Statistics, University of Illinois at Urbana-Champaign, November 2013.

Presentation on “Statistical Models for Networks Resilient to Targeted Attacks,” Joint Statistical Meetings, Montreal, Canada, August 2013.

Presentation on “Statistical Models for Networks Resilient to Targeted Attacks,” Bohrer Workshop in Statistics, Department of Statistics, University of Illinois at Urbana-Champaign, November 2012.

Presentation on “Sampling for Conditional Inference on Network Data,” Joint Statistical Meetings, San Diego, CA, August 2012.

Presentation on “Sampling for Conditional Inference on Network Data,” Bohrer Workshop in Statistics, Department of Statistics, University of Illinois at Urbana-Champaign, November 2011.

Presentation on “Sampling for Conditional Inference on Network Data,” IMS-China Conference on Statistics and Probability, Xi'an, China, August 2011.

TEACHING

14. Teaching Awards Received: N/A

15. Teaching Specialization (courses taught):
Statistics for Managerial Decision Making, University of Miami, Fall 2016
Applied Time Series Analysis and Forecasting, University of Miami, Spring 2016
Statistics for Managerial Decision Making, University of Miami, Fall 2015
Statistics for Managerial Decision Making, University of Miami, Fall 2014
Statistics, University of Illinois at Urbana-Champaign, Spring 2013
Statistics, University of Illinois at Urbana-Champaign, Fall 2010
16. Thesis and Dissertation Advising/Post-doctoral student supervision (chairman or committee member; topic; student name; date): N/A

SERVICE

17. University Committee and Administrative Responsibilities:
Faculty Interviewer, Scholarship Weekend, University of Miami, 2014-present.
SBA Women's Network, University of Miami, 2015-present.
Faculty Hiring, Department of Management Science, University of Miami, Fall 2015-Spring 2016.
PhD Recruitment, Department of Management Science, University of Miami, Fall 2015-Spring 2016.
PhD Seminar Organizer, Department of Management Science, University of Miami, Fall 2015-Spring 2016.
Faculty Hiring, Department of Management Science, University of Miami, Fall 2014-Spring 2015.