Bomin Kim

CONTACT INFORMATION	331A Thomas Building University Park, PA 16802 bzk147@psu.edu

RESEARCH
INTERESTS

social network analysis (dynamic network modeling and latent space model), topic model, point process modeling, Bayesian modeling

EDUCATION

Pennsylvania State University, University Park, PA

Ph.D., Statistics, *Expected:* Spring 2018
- Thesis Topic: *Latent Modeling of Dynamic Social Networks*
- Advisors: David Hunter, Ph.D and Xiaoyue Maggie Niu, Ph.D

Korea University, Seoul, South Korea

B.A., Statistics, February 2013

North Carolina State University, Raleigh, NC

Exchange Student, Statistics, August 2011-May 2012

RESEARCH
EXPERIENCE

Research Assistant   Summer 2016 to present
Department of Political Science,
Pennsylvania State University
Supervisor: Bruce Desmarais, Ph.D

Research Assistant   Spring 2012
Department of Statistics,
North Carolina State University
Supervisors: Consuelo Arellano, Ph.D

Research Intern   Summer 2011
Partnerships in Prevention Science Institute,
Iowa State University
Supervisors: Chungyeol Shin, Ph.D.

TEACHING
EXPERIENCE

Instructor
Department of Statistics,
Pennsylvania State University
- STAT/MATH 318: Elementary Probability   Fall 2015
- STAT 200: Elementary Statistics (web)   Summer 2015
- STAT 200: Elementary Statistics   Summer 2014

Teaching Assistant   Springs 2011–12
Department of Statistics,
Pennsylvania State University
- STAT 500: Applied Statistics   Summer 2016
- STAT 100: Statistical Concepts and Reasoning   Spring 2016
- STAT 460: Intermediate Applied Statistics   Fall 2015
- STAT 461: Analysis of Variance   Spring 2015
- STAT 502: Analysis of Variance and Design   Fall 2014 and Spring 2015
- STAT/MATH 418: Introduction to Probability and Stochastic Processing for Engineering   Fall 2013 and Spring 2014

PAPERS IN PREPARATION	1. **Bomin Kim**, Bruce A. Desmarais, Zachary M. Jones, and Hanna Wallach. "Interaction-Partitioned Topic Models (IPTM) using a Point Process Approach."
	2. **Bomin Kim**, David R. Hunter, and Xiaoyue Maggie Niu. "Point Process Model with Latent Positions."
	3. **Bomin Kim**, Xiaoyue Maggie Niu, and David R. Hunter."A Dynamic Latent Factor Model for the Analysis of UN Voting Network."

SCHOLARSHIPS /AWARDS

Travel Awards - Pennsylvania State University
- Jack and Eleanor Pettit Scholarship in Science   2016

Student Award - North Carolina State University
- Undergraduate Research Award   2012

Scholarships - Korea University
- National Language Exchange Scholarship   2011
- The Deans List Scholarship   2010 - 2011
- First-Year Scholarship   2009

PRESENTATIONS

Statistical Meetings
- Joint Statistical Meetings, Chicago, IL   July 2016
- Annual Undergraduate Research Spring Symposium, Raleigh, NC   April 2012
- Scope Academy, Sponsored by NC State University Physical and Mathematical Science Foundation   April 2012
- Air and Waste Management Association Luncheon at USEPA National Computer Center, Research Triangle Park, NC   March 2012
- Sigma Xi Annual Meeting & International Research Conference, Raleigh, NC
                    November 2011
- Annual State of North Carolina Undergraduate Research and Creativity Symposium, Greenville, NC   November 2011

SOFTWARE   R, C++, SAS