

Mikyoung Jun

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Education

Ph.D. Statistics, University of Chicago, 2005
MStat courses completed. Statistics, Seoul National University, 2000
B.S. Statistics, Seoul National University, 1999,
Cum Laude, Valedictorian

Employment

Assistant Professor, Department of Statistics, Texas A& M University, Aug 2005 - Present
Visiting Scientist, Center for Integrating Statistical and Environmental Science, University of Chicago,
June 2007 - September 2007
Visiting Scientist, Center for Integrating Statistical and Environmental Science, University of Chicago,
Summer 2006
Visiting Scientist, National Center for Atmospheric Research, Aug 2005 - Dec 2005

Honors & Awards

University Fellowship and Assistantship, Department of Statistics, University of Chicago, 2000-2005
ASA/ENVR student paper competition, *Honorable Mention*, Joint Statistical Meeting 2004
NSF travel grants, 2003
Raj Bahadur Fellowship, Department of Statistics, University of Chicago, Summers 2001
Honors Scholarship, Department of Statistics, Seoul National University, 1995-2000
Korean Research Association Fellowship, 1998-1999

Invited Talks

IMS-China International Conference on Statistics and Probability, Weihai, China, July 2009
IMS Asian Pacific Rim Meeting, Seoul, Korea, June 2009
Department of Mathematics and Statistics, Duksung Women's University, June 2009
Department of Biostatistics, University of Texas MD Anderson Cancer Center, Nov 2008
Department of Statistics, Rice University, Sep 2008
Department of Management Science and Statistics, University of Texas, San Antonio, Oct 2007
Department of Statistics, University of Wisconsin, Madison, Oct 2007
Joint Statistical Meeting, Salt Lake City, UT, Aug 2007
Korean Statistical Association Meeting, Busan, Korea, May 2007
Random Matrix Workshop, NCAR, CO, May 2007
INFORMS, Pittsburgh, PA, Nov 2006
Department of Statistics, University of Georgia, Oct 2006
ENAR, Tampa, FL, Mar 2006

Statistical Research Center for Complex System, Seoul National University, Seoul, South Korea, Jan 2006

WNAR/IMS, Fairbanks, AK, June 2005

Department of Statistics, Harvard University, Feb 2005

Department of Statistics, University of California, Irvine, Feb 2005

Department of Statistics, Colorado State University, Feb 2005

Department of Statistics, University of Toronto, Feb 2005

Department of Statistics, Texas A&M University, Feb 2005

Department of Statistics, Carnegie Mellon University, Feb 2005

Department of Statistics, University of Florida, Jan 2005

Department of Statistics, University of Illinois, Urbana-Champaign, Jan 2005

Department of Statistics, North Carolina State University, Jan 2005

Contributed Talks

Spring Symposium, Institute for Applied Mathematics and Computational Science, College Station, TX, May 2009 (2 posters)

Multivariate Methods in Environmetrics (CISES/ASA), Chicago, IL, Oct 2006 (poster)

Joint Statistical Meeting, Seattle, WA, Aug 2006 (topics contributed)

IMS New Researcher's Conference, Seattle, WA, Aug 2006 (poster)

Joint Statistical Meeting, Toronto, Canada, Aug 2004

Graybill conference, Colorado State University, Fort Collins, CO, June 2004 (poster)

Chicago Joint Conference on the Environment, Chicago, IL April 2004 (poster)

Workshop on Internet Tomography and Sensor Network, SAMSI, NC, Oct 2003 (poster)

Publications

Jun, M., Zhang, F., Bishop, C. H. (2008). Parametric and nonparametric statistical methods for covariance estimation. IAMCS preprint series 2008-021. Texas A&M University.

Jun, M., Stein, M.L. (2008). Nonstationary covariance models for global data. *Annals of Applied Statistics*, Volume 2, pp. 1271-1289.

Jun, M., Knutti, R., Nychka, D.W. (2008). Spatial Analysis to Quantify Numerical Model Bias and Dependence: How Many Climate Models Are There? *Journal of the American Statistical Association*, Volume 103, pp. 934-947.

Jun, M., Knutti, R., Nychka, D.W. (2008). Local eigenvalue analysis of CMIP3 climate model errors. *Tellus*, 60A, pp. 992-1000.

Jun, M., Stein, M.L. (2007). An Approach to Producing Space-time Covariance Functions on Spheres. *Technometrics*, Volume 49, No. 4, pp. 468-479.

Jun, M., Stein, M.L. (2004). Statistical Comparison of Observed and CMAQ Modeled Daily Sulfate Levels. *Atmospheric Environment*, Volume 38, Issue 27, pp. 4427-4436.

Grants

KAUST GRP Award grant, Investigator, June 2008 - May 2010

National Science Foundation-CMG grant (ATM-0620624), co-PI, Sep 2006 - Aug 2010

Services

Associate Director, Program in Spatial Modeling, Institute for Applied Mathematics and Computational Science, May 2009 - Present

Associate Editor, Journal of the Korean Statistical Society, 2008 - present

Organizer of a session on *Environmental and Ecological Statistics*, Twelfth International Conference on Statistics, Combinatorics, Mathematics and Applications, Dec 2005

Organizer of the Workshop on Data Assimilation in Geoscience, Institute for Applied Mathematics and Computational Science, Oct 2009

ASA/ENVR student award committee, 2006 - 2008

Referee: Atmospheric Environment(2), JASA - T&M(1), JRSS B(1), JABES(1), JKSS(1), Bernoulli(1), Annals of Applied Statistics(2), Monthly Weather Review(1), Biometrics(1), Environmental and Ecological Statistics(1),

PhD thesis committee at Texas A&M: Trivikram Dash (Computer Science), Kyoung-Lae Noh (Electrical Engineering) - completed, Elizabeth Young (Statistics), Amanda Hering (Statistics) - completed, Heeyoul Choi (Computer Science)

MS thesis committee at Texas A&M: Matthew Rigney (Atmospheric Science) - completed, Hei Joung Kim (Statistics), Kyle Borg (Atmospheric Science)

Professional Associations

American Statistical Association

Institute of Mathematical Statistics