

Seonjin Kim

CONTACT INFORMATION	334D Upham hall Department of Statistics Miami University Oxford, OH 45056, USA	<i>Tel:</i> (513)-529-2175 <i>Fax:</i> (513)-529-0989 <i>E-mail:</i> kims20@miamioh.edu
EDUCATION	The Pennsylvania State University, University Park, PA. Ph.D., Statistics, August 2013. Korea Advanced Institute of Science and Technology (KAIST), Deajeon, Republic of Korea. B.S., Applied Mathematics, February 2006.	
EMPLOYMENT	Assistant Professor of Statistics, Miami University, August 2013–present.	
RESEARCH INTERESTS	Longitudinal models Time series Nonparametric methods Quantile regression	
HONORS AND AWARDS	Korean International Statistical Society Career Development Award 2015 Nonparametric Statistics Student Paper Award, American Statistical Association, Joint Statistical Meetings 2012. Department Draft Scholarship, KAIST, 2003–2006.	
PUBLICATIONS	Accepted (all peer-reviewed): <ol style="list-style-type: none">1. Kim, S. (2015) Hypothesis testing for ARCH models: a multiple quantile regressions approach. <i>Journal of Time Series Analysis</i>, 36, 26-38.2. Kim, S., Zhao, Z. and Shao, X. (2015) Nonparametric functional central limit theorem for time series with application to self-normalized confidence interval. <i>Journal of Multivariate Analysis</i>, 133, 277–290.3. Kim, S. and Zhao, Z. (2014) Specification test for Markov models with measurement errors. <i>Journal of Multivariate Analysis</i>, 130, 118–133.4. Kim, S. and Zhao, Z. (2013) Unified inference for sparse and dense longitudinal models. <i>Biometrika</i>, 100, 203–212. Submitted (all peer-reviewed): <ol style="list-style-type: none">1. Kim, S., Zhao, Z and Xiao, Z. (2015) Efficient estimation for time-varying coefficient longitudinal models. Rejected but resubmit invited to <i>Journal of the Royal Statistical Society, Series B</i>.2. Zambom, Z.A. and Kim, S. (2015) Lag selection and model validation in nonparametric autoregressive conditional heteroscedastic models. Submitted to <i>Scandinavian Journal of Statistics</i>.	

3. **Kim, S** and Zambom, Z.A. (2015) A nonparametric hypothesis test for heteroscedasticity. Submitted to *Annals of the Institute of Statistical Mathematics*.

In preparation:

1. **Kim, S.**, Zhao, Z. and Xu, Z. Quantile regression for locally stationary autoregressive model.
2. Zhao, Z., Shao, X. and **Kim, S.** Self-normalization for nonparametric Inference.
3. **Kim, S** and Zambom, Z.A. A nonparametric hypothesis test for heteroscedasticity in multiple regression models.
4. **Kim, S.** and Cho, H. Quantile regression in varying-coefficient longitudinal models.

PRESENTATIONS

1. Joint Statistical Meetings, Seattle, WA, August 2015.
2. Southwest Ohio Korean-American Scientists and Engineers Association (KSEA) Annual Conference, University of Cincinnati, May 2015.
3. Joint Statistical Meetings, Boston, MA, August 2014.
4. Summer Undergraduate Mathematical Sciences Research Institute, Miami University, July 2014.
5. The Korean Statistical Society Seminar, Daejeon, South Korea, May 2014.
6. Department of Mathematical Sciences, University of Cincinnati, March 2014.
7. Southwest Ohio KSEA Kickoff Meeting, Cincinnati Children's Hospital Medical Center, November 2013.
8. Joint Statistical Meetings, San Diego, CA, August 2012.
9. Joint Statistical Meetings, Miami, FL, July 2011.

GRANTS

1. Summer research grant for new tenure-track faculty, awarded for summer 2015. Miami University, College of Arts and Sciences. \$5000.
2. Faculty research grant, awarded for summer 2014. Miami University, Committee on Faculty Research. \$6200.
3. Travel grant to attend the professional development workshop 2014, Chicago, IL, KSEA.

**TEACHING
EXPERIENCE**

Miami University

- STA301 Applied Statistics, Spring 2014, Spring, Summer and Fall 2015
- STA363 Intro to Statistical Modeling, Spring 2015.
- STA401 Probability, Fall 2013, Spring and Fall 2014.
- STA483 Analysis of Forecasting Systems, Fall 2014, Fall 2015.

Pennsylvania State University

- STAT401 Experimental Methods. Summer 2012, Summer 2013.
- STAT418 Introduction to Probability and Stochastic Processes for Engineering. Fall 2012.
- STAT463 Applied Time Series Analysis. Spring 2012, Spring 2013.

CONSULTING
EXPERIENCE

Statistical Consulting Center, Pennsylvania State University, August 2010–May 2011.