BEOM S. LEE

Department of Mental Health Law and Policy
Univerity of South Florida
13301 Bruce B. Downs Blvd.
Tampa, FL 33612
(813) 974-9361, beomlee@usf.edu

Department of Economics
Univerity of South Florida
4202 East Fowler Avenue
Tampa, FL 33620
(813) 974-0479, beomlee@usf.edu

Education

2003	PhD, Statistics, University of North Carolina at Chapel Hill
2000	MS, Economics, University of North Carolina at Chapel Hill
1993	MA, Economics, Western Illinois University, IL
1990	BA, Economics, Seoul National University, Korea

Employment

2009 – present	Research Assistant Professor, Department of Mental Health Law & Policy, Visiting Assistant Professor, Department of Economics, University of South Florida
2008 – 2009	Visiting Assistant Professor, Department of Statistics, George Mason University
2003 – 2008	Assistant Professor, Department of Mathematics, University of Alabama
1995 – 1996	Financial Analyst, Department of Financial Engineering, Dongsuh Securities Company, Seoul, Korea
1993 – 1995	Military Service, Army, Seoul, Korea

Awards and Honors

2002 – 2003	SAMSI (Statistical and Applied Mathematical Sciences Institute) Graduate Fellowship
2001	Teaching Award, Dept of Statistics, University of North Carolina at Chapel Hill

Teaching Experience

Teaching Instructor	Principles of Microeconomics, Introduction to Econometrics, Econometrics I, Econometrics II (University of South Florida)
	Introductory Statistics, Probability for Engineers, Multivariate Statistical Methods (George Mason University)
	Introduction to Statistics, Probability and Statistics for Business (University of North Carolina at Chapel Hill)
	Finite Mathematics, Calculus, Theory of Probability, Mathematical Statistics with Applications, Mathematical Statistics (University of Alabama)
Teaching Assistant	Introduction to Statistics, Probability and Statistics for Business, Statistical Methods, Statistics/Data Analysis, Economic Statistics, Applied Microeconomic Theory (University of North Carolina at Chapel Hill)

Publications

"Predicting the trajectories of perceived pain intensity in Southern community-dwelling older
adults: The role of religiousness", with Sun, F., Park, N. S., Wardian, J., Roff, L. L., Klemmack,
D. L., Parker, M. W., Koenig, H. G., Sawyer, P., and Allman, R. M.
In press, *Research on Aging*.

"The mediating role of loneliness in the relation between social engagement and depressive
symptoms among older Korean Americans: Do men and women differ?", with Park, N. S.,
Jang, Y., Haley, W. E, and Chiriboga, D. A.,
In press, *Journal of Gerontology: Psychological Sciences*.

"Racial/ethnic differences in predictors of self-rated health: Findings from the Survey of Older
Floridians", with Park, N. S., Jang, Y., and Chiriboga, D. A.,
In press, *Research on Aging*.

"Typologies of religiousness/spirituality: Implications for health and well-being",
with Park, N. S., Sun, F., Klemmack, D. L., Roff, L. L., and Koenig, H. G.,
In press, *Journal of Religion and Health*.

"Patterns of hospice use among African-Americans, Asians, Hispanics and Whites: Implications for
practice", with Carrion, I.V. and Park, N.S.,
2012, *American Journal of Hospice and Palliative Medicine*, 29(2), 112-117.

"The role of race and ethnicity in predicting length of hospice care among older adults",
with Park, N. S., Carrion, I., Dobbs, D., Shin, H. J., and Becker, M.,
2012, *Journal of Palliative Medicine*, 15(2), 149-153.

"Willingness to Use Mental Health Services among Older Residents in Assisted Living",
with Park, N. S., Jang, Y., Schonfeld, L., and Molinari, V.,
2012, *Journal of Applied Gerontology*, 31(4), 562-579.

"Pathways and Predictors of Antisocial Behaviors in African American Adolescents from Poor
Neighborhoods", with Nan S. Park, Fei Sun, Alexander T. Vazsonyi, & John M. Bolland,
2010, *Children and Youth Services Review*, 32(3), 409-415.

"Multiple Structural Breaks in Time Series of Count Data: Forecasting the Number of Atlantic
Hurricanes", with James E. Gentle,
2009, *JSM Proceedings*, Statistical Computing Section, American Statistical Association, 3327-
3340.

"9/11: What Did We Know and When Did We Know It?",
with Walter Enders and Todd Sandler,
2009, *Defence and Peace Economics*, 20(2), 79-93.

"Early Adolescent Pathways of Antisocial Behaviors in Poor, Inner-City Neighborhoods",
with Nan S. Park, John M. Bolland, Alexander T. Vazsonyi, and Fei Sun,
2008, *The Journal of Early Adolescence,* 28(2), 185-205.

"A Gaussian Approximation Scheme for Computation of Option Prices in Stochastic Volatility
Models", with Ai-ru Cheng, A. Ronald Gallant, and Chuanshu Ji,
2008, *Journal of Econometrics*, 146, 44-58.

Presentations

"Typologies of religiousness/spirituality: Implications for health and well-being", Paper presented at the
15th Annual Conference of the Society for Social Work and Research. Tampa, FL., January
2011.

"Predictors of length of hospice use among older adults: The role of race/ethnicity", Symposium
presented at the 15th Annual Conference of the Society for Social Work and Research. Tampa,
FL., January 2011.

"Willingness to use mental health services among older residents in assisted living", Poster presented at

the 63rd Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA., November 2010.

"Patterns of hospice use among Asians, African Americans, Hispanics and Whites: Implication for Practice", Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA., November 2010.

"Multiple Structural Breaks in Time Series of Count Data: Forecasting the Number of Atlantic Hurricanes", Paper presented at Joint Statistical Meetings, Washington D.C., August 2009.

"Pathways of Antisocial Behaviors in Adolescents in Poor Neighborhoods: Examination of Predictors and Outcomes", Paper presented at the 10th Annual Conference, Society for Social Work and Research, San Antonio, TX, January 2006.

"Examination of Different Pathways to Antisocial Behaviors in Adolescents in Poor Neighborhoods", Paper presented at the 9th Annual Conference, Society for Social Work and Research, Miami, FL, January 2005.

"Terrorism Data Analysis with a Simulation Method", Paper presented at Joint PhD Program Meeting in Applied Mathematics, Tuscaloosa, AL, October 2004.

"Sequential Monte Carlo Calibration of Stochastic Volatility Models", Paper presented at SAMSI Stochastic Computation Program Meeting, and SAMSI Stochastic Computation Financial Modeling Group Meeting, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC, October 2002.

"Sequential Monte Carlo Calibration of Stochastic Volatility Models for Interest Rate Term Structure", Poster presented at SAMSI Workshop on Challenges in Stochastic Computation, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC, September 2002.

Grants

2010 – 2012	National Institute on Drug Abuse (R03DA030850) Role: Co-Investigator (Principal Investigator – Richard Van Dorn) Title: Longitudinal Substance Use Trajectories for Persons with Schizophrenia: An Application of Growth Mixture Modeling
2004	University of Alabama, Research Advisory Committee Grant
2000	University of North Carolina/IBM, Instructional Technology Development Grant

Work in Progress

"Predicting Recidivism of Arrestees by Medicaid Data"

"Effects of Severe Mental Illness and Pharmacy Spending on Recidivism of Elderly Arrestees"

"Measurement of Sustainability in Health"

"Job Seeking Behavior in Young Adults: Do Unemployment Insurance Benefits Hurt Job Search Effort?"

"Squeezing Hidden Information out of Randomized Controlled Trials: Who Receives Most Benefits from the Treatment?"

Manuscript Review

The Journal of Early Adolescence, American Journal of Public Health

Computer Skills

MATLAB, R, SAS, SPSS, S-PLUS, Minitab, Mplus

Research Interests

Cluster Analysis, Computational statistics, Monte Carlo simulation, Econometrics, Data Mining, Randomized Controlled Trials, Bayesian Statistical Methods

Hobbies and Other Skills

Photography, Acupuncture, Coffee roasting, Bread making