

Curriculum Vitae

SOEUN KIM, Ph.D.

Program Director, Graduate Program in Applied Statistics and Analytics
Assistant Professor, Department of Mathematics, Physics, and Statistics
Azusa Pacific University, CA
Phone: (626) 815-6000, Ext.2600
Email: Soeunkim@apu.edu

EDUCATION

University of California, Los Angeles

Ph.D. Department of Biostatistics, 2011

Dissertation: Multiple Imputation for Missing Covariates in Regression Models with Interactions

Seoul National University, Seoul, Korea

M.S. in Statistics, February 2007

University of Cambridge, St. Catharine's College, Cambridge, United Kingdom

M.A. Mathematics (Honorary), May 2007

B.A. Honours, Mathematics, June 2003

TEACHING EXPERIENCE

Azusa Pacific University, CA

- STAT 501 Introduction to Modeling with Probability, Fall 2020
- STAT 542 Applied Logistic Regression and Survival Analysis, Fall 2020
- STAT 502 Mathematical Statistics, Spring 2020
- STAT 543 Applied Longitudinal Data Analysis, Spring 2020
- STAT 501 Introduction to Modeling with Probability, Fall 2019
- STAT 542 Applied Logistic Regression and Survival Analysis, Fall 2019
- STAT 597 Statistical Consulting Practicum
- STAT 598 Culminating Project

Department of Biostatistics, University of Texas Health Science Center, TX

- PH1690 Foundations of Biostatistics, University of Texas Health Science Center, In person in Houston and ITV class broadcast to San Antonio, Dallas, El Paso, Spring 2018
- PHM9998 Culminating Experience / Thesis Research, Spring 2018
- PHD9999 Dissertation Research, Spring 2018
- PH1999 Individual Study: Vitamin B12/D study, Fall 2017

- PHD9999 Dissertation Research, Fall 2017
- PHM9998 Culminating Experience / Thesis Research, Fall 2017
- PH9999 Dissertation Research, Variable selection with missing data, multistate survival models, Summer 2017
- PH 1998 Special Topics in Biostatistics: Resampling and nonparametric regression, Spring 2017
- PH9997 Practicum, Spring 2017
- PHW1690 Foundations of Biostatistics, Department of Biostatistics, Fall 2016
- PH1999 Individual Study in Biostatistics, Fall 2016
- PH1690 Foundations of Biostatistics, Spring 2016
- PH1999 Individual Study in Biostatistics: Missing data, Spring 2016
- PHD 9999 Dissertation Research, Spring 2016
- PH1999 Individual Study in Biostatistics: Missing data, Fall 2015
- PH1998 Resampling and nonparametric regression, Spring 2015
- PH1690 Foundations of Biostatistics, Department of Biostatistics, Fall 2014
- PH1998 Special Topics: Resampling and nonparametric regression, Fall 2013

PUBLICATIONS

1. Dietiker C, **Kim S**, Zhang Y, Christine CW. Characterization of Vitamin B12 Supplementation and Correlation with Clinical Outcomes in a Large Longitudinal Study of Early Parkinson's Disease. *Journal of Movement Disorders*. 2019 May;12(2):91-96. DOI: 10.14802/jmd.18049.
2. Luthra NS., **Kim S**, Zhang Y., Christine CW. On behalf of NINDS NET-PD Investigators. Characterization of vitamin D supplementation and clinical outcomes in a large longitudinal study of early Parkinson's disease. *Journal of Clinical Movement Disorders*. 2018 Oct: 5(7) DOI: 10.1186/s40734-018-0074-6
3. Sharath SE., Zamani N., Koungias P., **Kim S.*** Missing data in surgical datasets: A review of pertinent issues and solutions. *Journal of Surgical Research*. 2018 Dec 232:240-246.
4. Song, E. **Kim, S.**, Hwang, Lee W. Sensitivity analysis on the ecological bias for Seoul tuberculosis data. *Environmental and Ecological Statistics* 2018 Sep: 25(3). 341-362.
5. Zhang Y, **Kim S***, Lin Y, Baum G, Basen-Engquist K, Swartz M. Comparisons of Imputation Methods with Application to Assess Factors Associated with Self Efficacy of Physical Activity in Breast Cancer Survivors. *Communications in Statistics – Simulation and Computation*. 2018 . DOI 10.1080/03610918.2018.1458132
6. **Kim S**, Belin TR, Sugar CA. Multiple Imputation with non-additively related variables: Joint-modeling and approximations. *Statistical Methods in Medical Research* 2018 Jun 27(6):1683-1694. DOI: 10.1177/0962280216667763.
7. Im, J. **Kim, S***. Multiple Imputation for Nonignorable Missing Data. *Journal of Korean Statistical Society*. 2017; Dec:46(4). 583-592

8. **Kim S**, Lee W. Does McNemar's test compare the sensitivities and specificities of two diagnostic tests? *Statistical Methods in Medical Research*, 2017 Feb;26(1):142-154. doi: 10.1177/0962280214541852.
9. Bega, D., **Kim, SE.**, Zhang, Y., Elm, J., Schneider, J., Hauser, R., Fraser, A., Simuni, T. on behalf of the NET-PD LS1 Investigators. Predictors of Functional Decline in Early Parkinson's Disease: NET-PD LS1 Cohort, *Journal of Parkinson's disease*, 2015; 5(4) :773-82. DOI: 10.3233/JPD-150668.
10. **Kim, SE.**, Ahn, J., Lee, W. On high-dimensional two sample mean testing statistics: a comparative study with a data adaptive choice of coefficient vector, *Computational Statistics* 2015, 1613-9658, DOI: 10.1007/s00180-015-0605-7
11. Lorine K, Goenjian H, **Kim SE**, Steinberg A, Schmidt K, Goenjian A. Risk Factors Associated with Psychiatric Readmission, *Journal of Nervous and Mental Disease*, 2015 203(6), DOI: 10.1097/NMD.0000000000000305
12. **Kim SE**, Sugar CA, Belin TR. Evaluating model based imputation methods for missing covariates in regression models with interactions, *Statistics in Medicine*, 2015. 34: 1876–1888. DOI: 10.1002/sim.6435.
13. Layne, C.M., Greeson, J.K.P., **Kim, S.**, Ostrowski, S.A., Reading, S., Vivrette, R.L., Briggs, E.C., Fairbank, J.A., & Pynoos, R.S. (2014). Links between trauma exposure and adolescent high-risk health behaviors: Findings from the NCTSN Core Data Set. *Psychological Trauma: Theory, Research, Practice, and Policy*, 6 (Suppl 1), 2014, S40-S49. <http://dx.doi.org/10.1037/a0037799>.
14. Greeson J, Briggs E, Layne C, Belcher H, Ostrowski S, **Kim S**, Lee R, Amaya-Jackson L, Pynoos R, Fairbank J. Traumatic Childhood Experiences in the 21st Century: Broadening & Building on the ACE Studies with Data from the NCTSN, *J Interpersonal Violence*, 2014 Feb;29(3):536-56. doi: 10.1177/0886260513505217.
15. Kiser LJ, Stover CS, Navalta CP, Dorado J, Vogel JM, Abdul-Adil JK, **Kim S**, Lee RC, Vivrette R, Briggs EC. Effects of the child-perpetrator relationship on mental health outcomes of child abuse: it's (not) all relative. *Child Abuse Negl.* 2014; 38(6):1083-93. DOI: 10.1016/
16. Steinberg A, Brymer M, **Kim SE**, Briggs E, Ghosh Ippen S, Ostrowski S, Gully K, Pynoos R. Psychometric Properties of the UCLA PTSD Reaction Index: Part 1, *Journal of Traumatic Stress*, 2013 Feb;26(1):1-9. DOI: 10.1002/jts.21780.
17. Betancourt T, Newnham E, Layne C, **Kim S**, Steinberg A, Ellis H, Birman D. Trauma History and Psychopathology in War-Affected Refugee Children Referred for Trauma-Related Mental Health Services in the United States, *Journal of Traumatic Stress*, 2012; 25: 1-9

18. Hodge F, Cantrell B, **Kim SE**. Health status and sociodemographic characteristics of the morbidly obese American Indians. *Ethnicity and Disease*, 2011; 21: 52-57
19. Heinzerling KG, Swanson AN, **Kim S**, Cederblom L, Moe A, Ling W, Shoptaw S. Randomized, double-blind, placebo-controlled trial of modafinil for the treatment of methamphetamine dependence. *Drug and Alcohol Dependence*, 2010; 109: 20-29.

* Corresponding author

POSTER PRESENTATIONS

Kim SE, Chan W., Davis B. Analysis of the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial Data: Multiple Imputation for Missing Covariates with Interactions, Society for Clinical Trials/International methodology for clinical trials, Liverpool, U.K. 2017

Christine CW, **Kim SE**, Zhang Y, Dietiker C. Characterization of vitamin B12 supplementation and clinical outcomes in a large longitudinal study of early Parkinson's disease, American Neurological Association Annual meeting, Baltimore, 2016

Chang M, Nyitray AG, **Kim SE**, Lin HY, Abrahamsen M, Papenfuss M, Ingles D, Villa L, Lazcano-Ponce E, Giuliano AR. A Novel Technique to define Persistence and Factors Associated with Persistence of Genital HPV: the HIT Study. Paper presented by M. Chang at the 30th International Papillomavirus Conference and Clinical Workshop; Lisbon, Portugal 2015

INTERNATIONAL CONFERENCE PRESENTATIONS

Invited talk: Institute of Mathematical Statistics Asia Pacific Rim Meeting (IMS APRM) Doubly robust generalized estimating equations with consistent variance estimator when one auxiliary model is misspecified, June 2016

Contributed talk: Society for Clinical Trials, Standardized Global Statistical Test for combining multiple outcomes in clinical trials, May 2016

Invited talk: Evaluating model based imputation methods for missing covariates in regression with interactions, UKC, San Francisco, CA, August, 2014

Contributed talk: Multiple Imputation for Regression Models with Interaction, Joint Statistical Meetings 2010, Vancouver, Canada, August 3, 2010

Contributed talk: Multiple Imputation for Missing Covariates for Regression Models with Interactions: the Binary Case, Joint Statistical Meetings 2011, Miami Beach, Florida, July 31, 2011

JOURNAL REFEREE SERVICE

- Statistics in Medicine
- Statistica Sinica
- Multivariate Behavioral Research
- Communications in Statistics Theory and Methods
- Biomed Central Health Services Research
- Scientific Reports
- Journal of Biopharmaceutical Statistics
- Journal of Korean Statistical Society
- Movement disorders
- Journal of Translational Medicine
- Journal of Immigrant and Minority Health
- Journal of Affective Disorders

ACADEMIC SERVICE

- Journal of Education statistics: Best JSE Paper Award Committee 2018-Present
- Associate Editor for Journal of Korean Statistical Society (JKSS) 2017-Present
- Parkinson Study Group Scientific Review Committee 2015-2018
- University of Texas School of Public Health Faculty Awards Committee
- University of Texas School of Public Health Biostatistics Faculty Search Committee
- University of Texas School of Public Health Department of Biostatistics Scholarship committee
- University of Texas School of Public Health Introductory Biostatistics course development committee
- UTSPH PH1690 Biostatistics Course exemption committee