HYUNKEUN RYAN CHO

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EDUCATION

Ph.D. in Statistics, University of Illinois at Urbana-Champaign	2013
M.S. in Applied Math & Statistics, Stony Brook University	2008
B.A. in Mathematics, Stony Brook University	2007

EMPLOYMENT

Associate Professor *with tenure*, Department of Biostatistics at U of Iowa	since 7/2021
Assistant Professor, Department of Biostatistics at U of Iowa	7/2017 - 6/2021
Assistant Professor, Department of Statistics at Western Michigan Univ	8/2013 - 6/2017

RESEARCH INTERESTS

Longitudinal data analysis; Causal inference; Precision medicine; Preventive medicine; Risk-predictive modeling; Nonparametric modeling; Quantile regression; Clinical trials.

AWARD AND HONOR

Junior Faculty Research Opportunity Award	2018, 2019
NISS Writing Workshop Travel Grant Award	2018
New Faculty Research Award	2017
Norton Prize Finalist for Exceptional Doctoral Thesis	2013
Graduate College Conference Travel Award	2013
Degree Honor 'Magna Cum Laude'	2007

PUBLICATIONS

(Note: ‡ denotes PhD advisee.)

Kim, S., **Cho, H.** and Wu, C. (2021). Risk-predictive probabilities and dynamic non-parametric conditional quantile models for longitudinal analysis, *Statistica Sinica*, in press.

Saito, T Malicoat, J.R., Leyden, L.R., Williams, J.C., Jellison, S.S., Long, H., Hellman, M.M., Crutchley, K.J., Anderson, Z.E.M., Lo, D., Modukuri, M.V., Schacher, C.J., Yoshino, A., Toda, H., Shinozaki, E., **Cho, H.**, Lee, S. and Shinozaki, G. (2021). Mortality prediction by bispectral electroencephalography among 502 patients: its role in dementia, *Brain Communications*, in press.

Espay, A.J., Lafontant, D-E, Poston, K.L., Caspell-Garcia, C., Marsili, L., **Cho, H.**, McDaniel, C., Kim, N., Coffey, C.S., Mahajan, A., Ezzat, K. and Sturchio, A. (2021). Cerebrospinal fluid proteins and brain volume in Parkinsons disease, *Parkinsonism & Related Disorders*, in press.

Yamanashi, T., Malicoat, J.R., Steffen, K.T., Zarei, K., Li, R., Purnell, B.S., Najafi, A., Saito, K., Singh, U., Toth, B.A., Lee, S., Dailey, M.E., Cui, H., Kaneko, K., **Cho, H.**, Iwata, M., Buchanan, G.F. and Shinozaki, G. (2021). Bispectral EEG (BSEEG) quantifying neuro-inflammation in mice induced by systemic inflammation: a potential mouse model of delirium, *Journal of Psychiatric Research*, in press.

Chasco, E.E, Hoth, A.B., **Cho, H.**, Shafer, C., Siegler, A.J. and Ohl, M.E. (2021). Mixed-methods evaluation of the incorporation of home specimen self-collection kits for laboratory testing in a telehealth program for delivering HIV pre-exposure prophylaxis, *AIDS and Behavior*, in press.

Chahine, L.M., Brumm, M., Caspell-Garcia, C., Oertel, W., Mollenhauer, B., Amara, A., Fernandez-Arcos, A., Tolosa, E., Simonet, C., Hogl, B., Videnovic, A., Hutten, S., Tanner, C., Weintraub, D., Burghardt, E., Coffey, C., **Cho, H.**, Kieburtz, K., Poston, K., Merchant, K., Galasko, D., Foroud, T., Siderowf, A., Marek, K., Simuni, T. and Iranzo, A. (2021). Dopamine transporter imaging predicts clinically-defined α-synucleinopathy in REM sleep behavior disorder, *Annals of Clinical and Translational Neurology* 8, 201-212.

Jasper, E.A.[‡], **Cho, H.**, Breheny, P.J., Bao, W., Dagle, J.M. and Ryckman, K.K. (2021). Perinatal determinants of growth trajectories in children born preterm, *PLoS ONE* 16, e0245387.

Cho, H., Kim, S. and Lee, M. (2020). Adjusting a subject-specific time of event in longitudinal studies, *Statistical Methods in Medical Research* 29, 1787-1798.

Saito, T., Braun, P. R., Daniel, S., Jellison, S. S., Hellman, M., Shinozaki, E., Lee, S., **Cho, H.**, Yoshino, A., Toda, H. and Shinozaki, G. (2020). The relationship between DNA methylation in neurotrophic genes and age as evidenced from three independent cohorts: Differences by delirium status. *Neurobiology of Aging* 94, 227-235.

Saito, T., Toda, H., Duncan, G., Jellison, S., Yu, T., Klisares, M., Daniel, S., Andreasen, A., Leyden, L., Hellman, M., Shinozaki, E., Lee, S., Yoshino, A., **Cho, H.** and Shinozaki, G. (2020). Epigenetics of neuroinflammation: immune response, inflammatory response and cholinergic synaptic involvement evidenced by genome-wide DNA methylation analysis of delirious inpatients. *Journal of Psychiatric Research* 129, 61-65.

Simuni, T., Uribe, L., **Cho, H.**, Caspell-Garcia, C., Coffey, C., Siderowf, A., Trojanowski, J.Q., Shaw, L.M., Seibyl, J., Singleton, A., Toga, A.W., Galasko, D., Foroud, T., Tosun, D., Poston, K., Weintraub, D., Mollenhauer, B., Tanner, C.M., Kieburtz, K., Chahine, L.M., Reimer, A., Hutten, S.J., Bressman, S. and Marek, K. (2020). Clinical and DAT imaging characteristics of non-manifest LRRK2 and GBA mutation carriers in the Parkinson's Progression Markers Initiative (PPMI): A cross sectional study, *Lancet Neurology* 19, 71-80.

Weintraub, D., Caspell-Garcia, C., Simuni, T., **Cho, H.**, Coffey, C., Aarsland, D., Alcalay, R.N., Barrett, M.J., Chahine, L.M., Eberling, J., Espay, A.J., Hamilton, J., Hawkins, K., Leverenz, J., Litvan, I., Richard, I., Rosenthal, L., Siderowf, A. and York, M. (2020). Neuropsychiatric symptoms and cognitive abilities over the initial quinquennium of Parkinson disease, *Annals of Clinical and Translational Neurology* 7, 449-461.

Saito, T., Shinozaki, G., Koga, M., Tanichi, M., Takeshita, S., Nakagawa, R., Nagamine, M., **Cho, H.**, Morimoto, Y., Kobayashi, Y., Yoshino, A. and Toda, H. (2020). Effect of interaction between a specific subtype of child abuse and the FKBP5 rs1360780 SNP on DNA methylation among patients with bipolar disorder, *Journal of Affective Disorders* 272, 417-422.

Niu, X.[‡] and **Cho, H.** (2019). Adjusting for baseline information in comparing the efficacy of treatments using bivariate varying-coefficient models, *Journal of Nonparametric Statistics* 31, 680-694.

Niu, X.[‡] and **Cho, H.** (2019). Efficient regression modeling for correlated and overdispersed count data, *Communications in Statistics-Theory and Methods* 48, 6005-6018.

Niu, X.[‡] and **Cho, H.** (2019). Simultaneous estimation and inference for multiple response variables, *Communications in Statistics-Theory and Methods* 48, 2734-2747.

Andrews, N.[‡] and **Cho, H.** (2019). Generalized growth curve models for longitudinal data in application to a randomized clinical trial, *Journal of the Korean Statistical Society* 48, 40-49.

Kim, S., **Cho, H.** and Zhang, X. (2019). Initial severity-dependent longitudinal model with application to a randomized controlled trial of women with depression, *Statistics in Medicine* 38, 1678-1689.

Shinozaki, G., Bormann, N. L., Chan, A. C., Zarei, K., Sparr, N. A., Klisares, M., Jellison, S. S., Heinzman, J., Dahlstrom, E. B., Duncan, G. N., Coon, N. A., Gaul, L., Robles, J., Yu, T., Wansek, R., Ando, T., Wong, T., Chicchelly, H., Cramer, E., Wimmel, C., Chronis, T., Sabbagh, S., Yuki, K., Weckmann, M., Yamada, T., Karam, M., Noiseux, N., Shinozaki, E., **Cho, H.**, Lee, S. and Cromwell, J. W. (2019). Identification of patients with high mortality risk and prediction of outcomes in delirium by bispectral EEG, *Journal of Clinical Psychiatry* 80, 19m12749.

Cho, H. (2018). Statistical inference in a growth curve quantile regression model for longitudinal data, *Biometrics* 74, 855-862.

Andrews, N.^‡ and **Cho, H.** (2018). Validating effectiveness of subgroup identification for longitudinal data, *Statistics in Medicine* 37, 98-106.

Kim, S. and **Cho, H.** (2018). Efficient estimation in the partially linear quantile regression model for longitudinal data, *Electronic Journal of Statistics* 12, 824-850.

Shinozaki, G., Braun, P. R., Hing, B. W., Ratanatharathorn, A. D., Klisares, M., Heinzman, J., Nagahama, Y., Close, L., Sabbagh, S., Dlouhy, B. J., Howard, M., Kawasaki, H. and **Cho, H.** (2018). Epigenetics of delirium: potential role of DNA methylation change on cytokine genes in glia and blood along with aging, *Frontiers in Aging Neuroscience* 10, 1-10.

Cho, H. and Kim, S. (2017). Model specification test in semiparametric regression models for longitudinal data, *Journal of Multivariate Analysis* 160, 105-116.

Cho, H., Wang, P. and Qu, A. (2017). Personalized treatment for longitudinal data using unspecified random-effects model, *Statistica Sinica* 27, 187-205.

Cho, H., Kim, S. and Kim, M.O. (2017). Multiple quantile regression analysis of longitudinal data: Heteroscedasticity and efficient estimation, *Journal of Multivariate Analysis* 155, 334-343.

Cho, H., Hong, H.G. and Kim, M.O. (2016). Efficient quantile marginal regression for longitudinal data with dropouts, *Biostatistics* 17, 561-575.

Cho, H. (2016). The analysis of multivariate longitudinal data using multivariate marginal models, *Journal of Multivariate Analysis* 143, 481-491.

Cho, H., Son, S. J., Kim, S. and Park, J. (2016). A randomized comparison of medication and cognitive behavioral therapy for treating depression among low-income young minority women, *Medical Science Monitor* 22, 4947-4953.

Cho, H. and Qu, A. (2015). Efficient estimation for longitudinal data by combining large-dimensional moment conditions, *Electronic Journal of Statistics* 9, 1315-1334.

Park, J., Lawrence, C.B. and **Cho, H.** (2015). A discursive assessment of narrative journalism using coh-metrix and principal component analysis, *Journal of the 21st Century Association of English Language and Literature* 28, 383-400.

Dev, D., Mcbride, B., Speirs, K., Donovan, S. and **Cho, H.** (2014). Predictors of head start and child-care providers' healthful and controlling feeding practices with children aged 2 to 5 years, *Journal of the Academy of Nutrition and Dietetics* 114, 1396-1403.

Dev, D., McBride, B., Fiese, B., Jones, B. and **Cho, H.** (2013). Risk factors for overweight/obesity in preschool children: an ecological approach, *Childhood Obesity* 9, 399-408.

Cho, H. and Qu, A. (2013). Model selection for correlated data with diverging number of parameters, *Statistica Sinica* 23, 901-927.

BOOK
REVIEW

Cho, H. (2015). Growth curve analysis and visualization using R, *The American Statistician* 69, 425-434.

GRANTS

Active Grants

US Department of Veterans Affairs   since 3/2020
   Title: Veterans Affairs Intergovernmental Personnel Act Center for Access & Delivery
   Research and Evaluation statistical consultation
   Role: Principal Investigator
   Effort: 20%

The Michael J. Fox Foundation for Parkinson's Research   since 2/2018
    Title: Parkinson's Progression Markers Initiative Statistics Core
    Role: Co-Investigator (Coffey, PI)
    Effort: 20%

R01 HD102381 US Department of Health & Human Services   since 8/2020
    Title: Targeted metabolic profiling to predict major neonatal morbidity in very preterm newborns
    Role: Co-Investigator (Ryckman, PI)
    Effort: 10%

R25 HL147231 National Heart, Lung, and Blood Institute   since 3/2019
    Title: Iowa Summer Institute in Biostatistics
    Role: Co-Investigator (Zamba, PI)
    Effort: 4%

R21 AB056716 National Institute of Aging   7/2018 - 6/2021
    Title: Building a bridge (between clinical and community care): post-diagnosis support of persons with dementia and their family
    Role: Co-Investigator (Ashida, PI)
    Effort: 5%

Completed Grants

U01 NS077352 National Institute of Neurological Disorders and Stroke 1/2018 - 9/2020
    Title: Network for Excellence in Neuroscience Clinical Trials-Data Coordinating Center
    Role: Co-Investigator (Coffey, PI)
    Effort: 10%

Michigan Department of Transportation   1/2016 - 12/2017
    Title: Evaluating the impacts of speed limit changes on identified case studies
    Role: Co-Principal Investigator (Kwigizile, PI)
    Effort: 8%

Transportation Research Center   5/2014 - 12/2015
    Title: Big data analytics to aid developing livable communities
    Role: Co-Investigator (Yang, PI)
    Effort: 5%

Junior Faculty Research Opportunity Award, University of Iowa   2019
    Title: Support to develop my academic career in longitudinal studies
    Role: Principal Investigator
    Total amount of award:: $4,732

New Faculty Research Award, University of Iowa   1/2018 - 8/2019
    Title: Decision support tool: Initial severity-dependent longitudinal model
    Role: Principal Investigator
    Total amount of award:: $8,326

Junior Faculty Research Opportunity Award, The University of Iowa   2018
    Title: Decision support tool in randomized clinical trials
    Role: Principal Investigator
    Total amount of award: $4,244

TEACHING EXPERIENCE

Undergraduate courses

- STAT 3660 Data Analysis for Biosciences	Summer 2014
- STAT 3640 Foundations of Data Analysis	Fall 2013, Spring 2014
- STAT 2600 Data Analysis using R	Fall 2014 - Summer 2017
- STAT 200 Statistical Analysis	Fall 2011, 2012
- MAT 126 Calculus B	Fall 2007

<u>Graduate courses</u>

- BIOS 7310 Longitudinal Data Analysis	Spring 2021
- BIOS 6310 Introductory Longitudinal Data Analysis	Fall 2017 - 2020
- BIOS 6210 Applied Survival Analysis	Spring 2019
- BIOS 5730 Biostatistical Methods Categorical Data	Spring 2020
- STAT 6810 Survival Data Analysis	Spring 2014, 2016
- STAT 6610 Multivariate Statistical Analysis	Spring 2015, 2017
- STAT 5850 Applied Data Mining	Fall 2015, 2016

ADVISING   <u>Doctoral Student Supervision</u>

- David-Erick Lafontant   Ph.D. in Biostatistics, expected 2024
- Daren Kuwaye   Ph.D. in Biostatistics, expected 2023
- Zhuangzhuang Liu   Ph.D. in Biostatistics, expected 2022
- Xiaomeng Niu   Ph.D. in Statistics, 5/2018
  Thesis title: Statistical Models for Correlated Data
  Current position: Biostatistician at Allergan
- Nichole R. Andrews   Ph.D. in Statistics, 5/2017
  Thesis title: Subgroup Analysis and Growth Curve Models for Longitudinal Data
  Current position: Faculty Specialist in Department of Statistics at Western Michigan

<u>Ph.D. Thesis Committee Member</u>

- Daniel Corry   Ph.D. in Epidemiology, expected 5/2023
- Javier Flores   Ph.D. in Biostatistics, 5/2021
- Clarissa Shaw   Ph.D. in Nursing, 5/2021
- Ashamsa Aryal   Ph.D. in Occupational & Environmental Health, 12/2020
- Elizabeth Jasper   Ph.D. in Epidemiology, 12/2019
- Yang Pan   Ph.D. in Marketing, 8/2019
- Bezawit Teshome Agiro   Ph.D. in Economics, 5/2018
- Ama Agyeiwaa Abrokwah   Ph.D. in Economics, 8/2017

<u>Data Science Major & Minor Advisor</u>   9/2014 - 7/2017

    Coordinate programs and supervise undergraduate students in these programs

<u>DataFest Team Advisor</u>   9/2016 - 4/2017

    Team received the Grand Prize at DataFest, Chicago, 4/2017

UNIVERSITY SERVICE

Ph.D. comprehensive exam steering committee	2020 - 2021
Ph.D. comprehensive examination review committee	2019 - 2021
M.S. core exam committee	2018 - 2021
Admissions and student recruitment committee	2018 - 2021
Student awards committee	2018 - 2021
Woolson lecture committee	2018 - 2019
Open-Rank Faculty search committee	2017 - 2019
M.S. and Ph.D. curriculum committee	2017 - 2018
Computing development committee	2015 - 2017
Program review and development committee	2014 - 2017
Statistics colloquium committee	2013 - 2017
Ph.D. comprehensive and qualifying examination committee	2015 - 2017
Junior Faculty search committee	2014 - 2016
Chair appointment executive committee	2015

PROFESSIONAL EXPERIENCE

Biostatistician, Center for Access & Delivery Research and Evaluation	since 2/2020
Affiliated Faculty, Center for Advancing Multimorbidity Science	since 2/2019
Affiliated Faculty, Clinical Trials Statistical and Data Management Center	since 2/2018

Statistical Analyst, Office of Provost at Western Michigan Univ   5/2014 - 12/2016
Graduate Research Assistant, Department of Statistics at U of Illinois   8/2010 - 7/2013
Consultant, Illinois Statistical Office at U of Illinois   8/2010 - 7/2013
Intern, Korea Institute of Finance   12/2005 - 1/2006

PROFESSIONAL SERVICE	

Data Safety Monitoring Board Member of R01 grants   since 2019

Program Chair   2/2016
- Great Lakes International Symposium: Interdisciplinary Research in Data Science

Organizer for Invited Session
- Recent advancement in complex data, *WNAR meeting*, Anchorage, Ak   6/2020
- Recent advances in statistical modeling for multivariate/correlated/time-varying longitudinal data, *Joint Statistical Meetings*, Denver, Co   7/2019
- Statistical methods for time-varying/stratified correlated data analysis, *WNAR meeting*, Portland, OR   6/2019
- Modern Developments in Statistical Analysis, *Korean Statistical Society Conference*, Seoul, Korea   5/2017

Session Chair
- Statistical methods for time-varying/stratified correlated data analysis, *WNAR meeting*, Portland, OR   6/2019
- Modern Topics in applied statistics, *Korean Statistical Society Conference*, Daejeon, Korea   11/2016
- Rank-Based & Nonparametric Procedures, *International Conference on Robust Rank Based and Nonparametric Methods*, Kalamazoo, MI   4/2015

Associate Editor
- Communications for Statistical Applications and Methods   since 2020

Review of NSF Proposals   since 2018

Journals Refereed
- Statistics in Medicine (6)
- Journal of the American Statistical Association (4)
- Electronic Journal of Statistics (4)
- Journal of the American Medical Association (3)
- Statistica Sinica (3)
- Biometrics (2)
- Computational Statistics and Data Analysis (2)
- Journal of Multivariate Analysis (2)
- Journal of the Korean Statistical Society (2)
- Journal of Applied Statistics (2)
- Statistics and Probability Letters (1)
- Annals of the Institute of Statistical Mathematics (1)
- Journal of Biopharmaceutical Statistics (1)
- Communications in Statistics - Simulation and Computation (1)
- International Journal of Statistics (1)
- Statistical Science (1)
- Statistical Methods and Applications (1)
- Science China Mathematics (1)
- Precision Clinical Medicine (1)
- Liver Transplantation (1)
- Medical Science Monitor (1)

Invited Talks

Evaluating causal effects of timing of treatment in marginal structural models for longitudinal data, *Econometrics and Statistics*, Hong Kong, 6/2021.

Evaluating causal effects of timing of intervention in observational studies, *Korean Statistical Society Conference*, Seoul, Korea, 12/2020.

Evaluating the population mean trajectory of an outcome in longitudinal studies with a subject-specific time of an event, *University of Nebraska Medical Center*, Omaha, NE, 10/2019.

Statistical inference in a growth curve quantile regression model, *Joint Statistical Meetings*, Denver, CO, 8/2019.

Uses and new developments of quantile regression analysis of longitudinal data, *Rush University*, Chicago, IL, 6/2019.

Risk predictive modeling, *Statistics Korea*, Daejeon, Korea, 5/2019.

Various statistical models for longitudinal data, *Yonsei University*, Wonju, Korea, 5/2019.

Risk predictive modeling with longitudinal data, *Korean Biostatistics Meeting*, Seoul, Korea, 5/2019.

Statistical methods with varying coefficient models in biomedical studies, *Yeonsei University*, Seoul, Korea, 7/2018.

Statistical methods with varying coefficient models in longitudinal studies, *University of Iowa*, Iowa City, IA, 3/2018.

Statistical methods with varying coefficient models in longitudinal studies, *University of Illinois*, Champaign, IL, 3/2018.

Various statistical models for longitudinal data with application to a randomized controlled trial, *University of Iowa*, Iowa City, IA, 2/2018.

Statistical inference in a growth curve quantile regression model for longitudinal data, *University of Iowa*, Iowa City, IA, 10/2017.

Statistical inference in a growth curve quantile regression model for longitudinal data, *Kensas State University*, Mahattan, KS, 10/2017.

Growth curve quantile regression model for longitudinal data, *Yonsei University*, Seoul, Korea, 6/2017.

Growth curve quantile regression model for longitudinal data, *Statistics Korea*, Daejeon, Korea, 6/2017.

Growth curve quantile regression model for longitudinal data, *Korea University*, Seoul, Korea, 5/2017.

Various statistical models for longitudinal data with application to a randomized controlled trial, *Korean Statistical Society Conference*, Seoul, Korea, 5/2017.

Efficient quantile marginal regression for longitudinal data with dropouts, *San Diego State University*, San Diego, CA, 1/2017.

Efficient quantile marginal regression for longitudinal data with dropouts, *California State Polytechnic University*, Pomono, CA, 1/2017.

Efficient quantile marginal regression for longitudinal data with dropouts, *University of Iowa*, Iowa City, IA, 1/2017.

Efficient quantile marginal regression for longitudinal data with dropouts, *Sungkyunkwan University*, Seoul, Korea, 11/2016.

Consistent moment selection from high-dimensional moment conditions, *Western Michigan University*, Kalamazoo, MI, 9/2016.

Efficient quantile marginal regression for longitudinal data with dropouts, *ICSA Applied Statistics Symposium*, Atlanta, GA, 6/2016.

Efficient estimation for longitudinal data with multiple responses: application to transportation safety study, *Michigan State University*, East Lansing, MI, 1/2016.

Efficient quantile regression for longitudinal data with dropouts, *Western Michigan University*, Kalamazoo, MI, 1/2016.

Quantile marginal regression for longitudinal data with dropouts, *Michigan State University*, East Lansing, MI, 1/2016.

Quantile regression models for longitudinal data, *Sookmyung Women's University*, Seoul, Korea, 1/2016.

Quantile regression models for longitudinal data, *The University of Suwon*, Hwaseong, Korea, 12/2015.

Weighted varying-coefficient models for longitudinal data, *Western Michigan University*, Kalamazoo, MI, 12/2015.

Efficient estimation for longitudinal data by combining high-dimensional moment conditions, *Joint Statistical Meetings*, Seattle, WA, 8/2015.

Multivariate marginal model for multivariate longitudinal data, *Spring Research Conference*, Cincinnati, OH, 5/2015.

Varying-coefficient modeling for longitudinal data, *Ajou Univeristy*, Suwon, Korea, 12/2014.

Subgroup identification for longitudinal data with unspecified random effects, *Joint Statistical Meetings*, Boston, MA, 8/2014.

Subgroup identification for longitudinal data, *Western Michigan University*, Kalamazoo, MI, 5/2014.

Personalized treatment for longitudinal data, *ENAR meeting*, Baltimore, MD, 3/2014.

Variable selection for longitudinal data with diverging number of parameters, *Korean Statistical Society Conference*, Seoul, Korea, 11/2013.

Big data meets text-mining, *International Conference on Text-mining*, Suwon, Korea, 10/2013.

Model selection for correlated data with diverging number of parameters, *International Workshop on the Perspectives on High-dimensional Data Analysis III*, Vancouver, Canada, 5/2013.

Model selection for correlated data with diverging number of parameters, *University of Missouri*, Saint Louis, MI, 1/2013.

Model selection for correlated data with diverging number of parameters, *Western Michigan University*, Kalamazoo, MI, 1/2013.

Model selection for correlated data with diverging number of parameters, *Marquette University*, Milwaukee, WI, 12/2012.

Consistent moment selection from high-dimensional moment conditions, *Ajou University*, Suwon, Korea, 11/2012.

Efficient moment selection from high-dimensional moment conditions, *Midwest Statistics Research Colloquium*, Madison, WI, 3/2012.

Adjusting a subject-specific timing of event in longitudinal studies, *Joint Statistical Meetings*, Vancouver, Canada, 8/2018.

Statistical methods with varying coefficient models, *Young Statistician's Meeting*, Seoul, Korea, 7/2018.

Statistical inference in a growth curve quantile regression model for longitudinal data, *International Biometrics Conference*, Barcelona, Spain, 7/2018.

Various statistical models for longitudinal data with application to a randomized controlled trial, *Young Statistician's Meeting*, Yangpeong, Korea, 7/2017.

Consistent moment selection from high-dimensional moment conditions, *Joint Statistical Meetings*, San Diego, CA, 8/2012.

Model selection for correlated data with diverging number of parameters, *ENAR meeting*, Miami, FL, 3/2011.

AFFILIATIONS   American Statistical Association
International Biometric Society (ENAR)
Institute of Mathematical Statistics
Korean International Statistical Society