

Yongsu Lee

Department of Biostatistics and Data Science
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Education

PhD in Statistics	University of Wisconsin-Madison, WI, USA
Master of Statistics	Korea University, South Korea
Bachelor of Economics in Statistics	Korea University, South Korea

Professional Appointments

Assistant Professor of Instruction	Department of Biostatistics and Data Science
(July 2022 -)	The University of Texas Health Science Center at Houston

Publications

2021	Lee, Y. and Song, J., “Robustness of Model Averaging Methods for the Violation of Standard Linear Regression Assumptions,” <i>Communications for Statistical Applications and Methods</i> .
Submitted	Akshat Kumar, Katie Stinson, Litao Wang, Elizabeth Nugent, Yongsu Lee , Mark Hermann, LaTanya Jones Love, Toufeeq Ahmed Syed, “Reducing Faculty Burden with Question Creation: A randomized control trial comparing AI-generated vs. expert-generated questions through student feedback and performance”, <i>Medical Education Online</i>
Manuscript	Lee, Y. and Zhang, C., “Learning Sparse DAGs with Mixed Data-Types Nodes based on GLMs”
Manuscript	Ye, T., Chen, M., Zhang, C., and Lee, Y. , “Testing for ARCH effect in high-dimensional VAR models.”
In Progress	Lee, Y. and Zhang, C., “GLMDAG: An R Package for Learning Sparse DAGs based on GLMS with Observational and Interventional Data.”

Research Experience

2014-12	Research Assistant (Advisor: Prof. Juwon Song), Department of Statistics, Korea University, Seoul, South Korea
2013	Research Project: Statistical Analysis of Advertisement Industry Statistics in 2013, KOBACO (Korea Broadcasting Advertising Corporation), Seoul, South Korea

Teaching Experience

- PH1700: Intermediate Biostatistics, UTHealth at Houston (Every Spring as of Jan 2025)
- PH1821: Applied Multivariate Analysis for Biostatistics, UTHealth at Houston (Every Spring as of Jan 2023)
- PH1690: Introduction to Biostatistics in Public Health, UTHealth at Houston (Every Semester as of Aug 2022)
- STAT312: Introduction to Theory and Methods of Mathematical Statistics II, UW–Madison (Spring and Fall 2019)
- STAT327: Learning a Statistical Language, UW-Madison (Fall 2018)
- STAT202: Elementary Computational Statistics, Korea University (Spring 2015)
- Workshop: Introduction of R program for Graduate Students and Undergraduate Students, Korea University (June 2014)

Service and Other Experience

- 2025 - Education Committee (Co-Chair and Academic Coordinator), UTHealth Houston
- 2025 - CEPH (Council on Education for Public Health) Competency Review Committee
- 2022 - PhD Preliminary Exam Committee, UTHealth Houston
- 2023 - 25 Department Admission Committee, UTHealth Houston
- 2021 TA Evaluation Subcommittee, UW-Madison
- 2016 - 18 Statistical Consulting Project Assistant in CALS (College of Agriculture and Life Science) Computer Lab, UW-Madison
- 2013 Statistical Consultant, Korea University Institute of Statistics, Korea University

Presentations, Talks and Poster

- 2024 (Poster) Harry Liaw, **Yongsu Lee**, Aslam Khan, and Christopher Kwoh, “Prevalence of Chronic Kidney Disease-associated Pruritus (CKD-aP) in Non-Dialysis Dependent Chronic Kidney Disease (NDD-CKD) Patients.,” *Asian Pacific Congress of Nephrology 2024*
- 2024 (Poster) Joonha Chang, **Yongsu Lee**, “Education of Optimization Method in Medical Field,” *Kenneth I Shine MD Academy of Health Science Education 2024 Innovation conference*
- 2024 “Post-Pandemic and Online/Hybrid Education in Statistics: We cannot go back to pre-pandemic schools,” *Houston Area Chapter ASA Symposium*
- 2020 “Learning Directed Acyclic Graphs from Group-Structure Data,” Big Data Neuroscience Workshop: Organized by the Advanced Computational Neuroscience Network, Online
- 2014 “The Estimation of Variance for Regression Coefficients Estimator in Stacking Method”, The Korean Statistical Society Spring Conference 2014, Daejeon, South Korea
- 2013 “The Comparison of Stacking and Bayesian Model Averaging” , The Korean Statistical Society Fall Conference 2013, Seoul, South Korea
- 2013 Talks in the 2nd Joint Workshop in Statistics between Hokkaido University and Korea University, Seoul, South Korea
- 2013 Talk in Students Exchange Program between Doshisha University and Korea University, Kyoto, Japan

Honors and Awards

- 2019 Outstanding LSA (Lecturer Student Assistant), Dept of Statistics, UW-Madison
- 2017 Travel Awards, Big Data Neuroscience Workshop: Organized by the Advanced Computational Neuroscience Network, Indiana University - Bloomington, IN
- 2017 Travel Awards, Eighth International Workshop Statistical Analysis of Neuronal Data, University of Pittsburgh, PA
- 2014 3rd Prize Award in Student Presentation Sessions, The Korean Statistical Society Spring Conference, Daejeon, South Korea
- 2013-12 Research Assistant Scholarship, Department of Statistics, Korea University
- 2013 Honorable Mention in Student Presentation Sessions, The Korean Statistical Society Spring Conference, Seoul, South Korea
- 2012 Spring Semester High Honors, Department of Statistics, Korea University