Jeongjin Lee

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EDUCATION

Ph.D. Student in Biostatistics August 2022 - December 2026 (Expected)
The Ohio State University, OH, USA
Academic Advisors: Patrick M. Schnell, Eben Kenah

Master in Statistics March 2021 - August 2022
Korea University, Seoul, South Korea
Academic Advisor: Sangbum Choi

Bachelor in Statistics March 2015 – December 2020
Korea University, Seoul, South Korea

- Completed military service as a Sergeant during undergraduate studies (Republic of Korea Army, July 2016 – April 2018; honorably discharged).

PUBLICATIONS

Methodology

Accepted / Published

1. **Lee, J.**, Yang, J., Rempala, G. A., Schnell, P. M. (2026). A Counterfactual Framework for Estimating Infectious Disease Prevalence under Repeated Testing with Symptomatic and Contact-Tracing Components. *Annals of Applied Statistics*, **20**(3), 1961–1984.
2. **Lee, J.**, Kim, J.-M. (2026). Counterfactual Survival Q-Learning via Buckley–James Boosting with Applications to ACTG 175 and CALGB 8923. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, qlag013.
3. **Lee, J.**, Kim, J.-M. (2026). Q-Learning via Deep Learning-Based Buckley–James Method for Non-Linear Censored Data. *Lifetime Data Analysis*, **32**, 27.
4. **Lee, J.**, Kim, J.-M. (2026). Counterfactual Q-Learning via the Linear Buckley–James Method for Longitudinal Survival Data. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **189**(3), 1473–1489.
5. **Lee, J.**, Choi, T., Choi, S. (2024). Censored Broken Adaptive Ridge Regression in High-Dimension. *Computational Statistics*, **39**(6), 3457–3482.

Manuscripts under Review

1. **Lee, J.**, Schnell, P. M., Rempala, G. A., Kenah, E. Variable Selection for Infectious Disease Transmission via Penalized Pairwise Accelerated Failure Time Models. *Under review.*
2. **Lee, J.**, Rempala, G. A., Schnell, P. M. Kalman Filtering and Smoothing for Improving Precision in Horvitz–Thompson Estimation of Infectious Disease Prevalence. *Under review.*
3. **Lee, J.**, Kim, J.-M. Copula-Based Decision Making for Censored Time-to-Event Outcomes. *Under review.*

Applications

Accepted / Published

1. Jang, H., Cline, M., **Lee, J.**, Reilly, M., Cho, H. (2026). Regional Differences in Young's Modulus of the Porcine Lens Capsule. *Annals of Biomedical Engineering*, **54**, 2027–2039.

PRESENTATIONS

1. **Lee, J.**, Yang, J., Rempala, G. A., Schnell, P. M. (2026). A Counterfactual Framework for Estimating Infectious Disease Prevalence under Repeated Testing with Symptomatic and Contact-Tracing Components. *RSS International Conference 2026*, Bournemouth, UK.
2. **Lee, J.**, Schnell, P. M., Rempala, G. A., Kenah, E. (2026). Variable Selection for Infectious Disease Transmission via Penalized Pairwise Accelerated Failure Time Models. *The OSU Health and Environment Learning and Modeling (HELM).*
3. **Lee, J.**, Yang, J., Rempala, G. A., Schnell, P. M. (2025). A Counterfactual Framework for Estimating Infectious Disease Prevalence under Repeated Testing with Symptomatic and Contact-Tracing Components. *The OSU Health and Environment Learning and Modeling (HELM).*
4. **Lee, J.**, Choi, T., Choi, S. (2021). Censored Broken Adaptive Ridge Regression in High-Dimension. *Joint Statistical Meetings*, Virtual.

RESEARCH EXPERIENCE

Graduate Research Associate August 2026 – Present
The Ohio State University
- Research areas: Infectious disease modeling and survival analysis
- Principal Investigator: Eben Kenah

Graduate Researcher May 2024 – Present
The Ohio State University
- Research areas: Causal inference and longitudinal analysis
- Advisor: Patrick M. Schnell

Graduate Researcher March 2021 – August 2022
Korea University
- Research areas: High-dimensional statistics and survival analysis
- Advisor: Sangbum Choi

TEACHING EXPERIENCE

Instructor Summer 2026
The Ohio State University
- PUBHBIO 2210 (Biostatistics for Public Health Research)

Teaching Assistant Fall 2022 - Spring 2026
The Ohio State University
- STAT 1430 (Statistics for the Business Sciences)
- STAT 3201 (Introduction to Probability for Data Analytics)
- STAT 3450 (Basic Statistics for Engineers)
- STAT 4302 (Computational Statistics)
- PUBHBIO 7230 (Longitudinal Data Analysis)
- PUBHBIO 7235 (Applied Survival Analysis)
- PUBHBIO 7240 (Applied Statistical Analysis with Missing Data)

- PUBHBIO 7255 (Introduction to Causal Inference in Health Science Research)

Teaching Assistant Spring 2021 - Spring 2022
Korea University
- STAT 221 (Introduction to Probability Theory)

PROFESSIONAL SERVICE

Reviewer: *Statistics in Medicine* (2), *Journal of the Royal Statistical Society: Series A* (2), *Statistical Analysis and Data Mining* (1).

REFERENCES

Patrick M. Schnell, Associate Professor
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Department of Immunology, Genetics and Pathology, Uppsala University, Sweden
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Statistics and Data Science, Division of Science and Mathematics
University of Minnesota Morris, USA
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