

Yongjae Kim

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EMPLOYMENT

Postdoctoral Researcher, Seoul National University
Institute for Data Innovation in Science

3/2026 -

EDUCATION

Ph.D. in Statistics, Seoul National University
(Advisor: Prof. Sungkyu Jung)

Seoul, South Korea, 2026

M.S. in Statistics, Seoul National University
(Advisor: Prof. Sungkyu Jung)

Seoul, South Korea, 2022

B.S. in Statistics, Dongguk University

Seoul, South Korea, 2020

TEACHING

Seoul National University

- 326.316 Multivariate Data Analysis and Lab (Fall 2023)
- 033.020 Statistical Laboratory (Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023)
- 033.019 Introduction to Statistics (Fall 2020)

RESEARCH

Publications

- S. An, T. Doan, J. Lee, J. Kim, **Y. J. Kim**, Y. Kim, C. Yoon, S. Jung, D. Kim, S. Kwon, H. J. Kim, J. Ahn, and C. Park (2023) “A comparison of synthetic data approaches using utility and disclosure risk measures,” *The Korean Journal of Applied Statistics*, 36(2), 141–166.

Manuscripts Under Review / In Preparation

- **Y. Kim**, J. Kim, and S. Jung (2026+) “A unified framework for measuring attribute disclosure risks in synthetic data,” submitted.
- **Y. Kim**, H. Moon, and S. Jung (2026+) “An association measure for mixed-type variables,” submitted.

TALKS

- “An Association Measure for Mixed-Type Variables”
 - 4th Joint Conference on Statistics and Data Science (JCSDS 2026), Guiyang, China, July 2026. **(To be presented)**
 - 7th IMS Asia Pacific Rim Meeting (IMS-APRM 2026), Hong Kong, June 2026.
 - The 26th Nonparametric Statistical Analysis and Bayesian Statistics, Meiji University, Tokyo, Japan, March 2026.
- “A Nearest-Neighbor Measure of Conditional Association for Mixed-Type Variables”
 - IMS New Researchers Conference Asia 2026, The University of Hong Kong (HKU), Hong Kong, June 17–18, 2026.
- “Nonparametric Association Measures for Mixed-Type Data with Multivariate and Conditional Extensions”
 - Department of Statistics, Seoul National University, Seoul, November 2025.
- “General measures of attribution disclosure risk for gauging privacy of synthetic data”
 - International Symposium on Theories, Methodologies and Applications for Large Complex Data,

Tsukuba, Japan, December 2024.
- Korean Statistical Society Winter Conference, Daejeon, South Korea, November 2024.

HONORS, AWARDS, AND GRANTS

- **Academic Excellence Scholarship**, Dongguk University 2018
- **Sejong Science Fellowship (Sole PI)**, National Research Foundation of Korea 2026–2031