Oh Sunmin

Education

- 2024-Present Ph.D. in Statistics, Seoul National University
 - 2022–2024 M.S. in Statistics, Seoul National University
 - 2018–2022 B.S. in Statistics and Financial Mathematics, Seoul National University

Publications

- [1] Oh, Sunmin, Seungsu Han, and Gunwoong Park, "Optimal estimation of linear non-Gaussian structure equation models", *The 28th International Conference on Artificial Intelligence and Statistics*, 2025.
- [2] Oh, Sunmin, Donguk Shin, Youngmin Ahn, and Gunwoong Park, "Optimal Backward-Learning Approach for Gaussian Linear Structural Equation Models", under review 2024.
- [3] Hwang, Seyong, Kyoungjae Lee, Sunmin Oh, and Gunwoong Park, "Bayesian Approach to Linear Bayesian Networks", under review 2025

Projects & Experience

- Visiting Research Affiliate, Department of Statistics and Applied Probability, University of California, Santa Barbara
 Collaborated on sparse Cholesky factorization for high-dimensional DAG learning
- 2022–2023 **Statistical & Machine Learning Consultant**, *Hanwha Systems* Reviewed and advised on statistical tests and machine learning methodologies.
 - 2021 Industry–Academia Collaboration Project, Musicow
 Predicted K-pop music copyright royalties over 30 years and proposed equitable pricing models for copyright acquisition.
 - 2021 **Industry–Academia Collaboration Project**, *Darlcha*Assessed performance marketing impacts and analyzed product review feedback.
 - 2021 Industry–Academia Collaboration Project, Welaaa Audio Book Built content-based and deep sequential neural-network recommendation systems for audio-books.
 - 2021 **Industry–Academia Collaboration Project**, *Healing Paper*Designed rule-based, content-based, and deep-learning recommenders for plastic surgery clients.
- 2020–2021 Intern, Spatial Statistics Laboratory, Seoul National University
 Studied spatial data analysis methods and reviewed academic papers in spatial statistics.

Honors and Awards

- 2025 First Prize, Graduate Student Paper Presentation Award ,The Korean Statistical Society Summer Conference
- 2025 Outstanding Teaching Assistant Award, Seoul National University
- 2021 Second Place, Financial Data Contest, Financial security institute