Oh Sunmin

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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*

Research Experience

2025 **Visiting Research Affiliate, Department of Statistics and Applied Probability**, *University of California, Santa Barbara*, Santa Barbara, CA, USA

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

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 audiobooks.

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

2026 LX Science Graduate Fellowship

2026 Outstanding Teaching Assistant Award, Seoul National University

2025 Council President's Award, G-LAMP "Young Star" Program, National Research Foundation of Korea

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