Junhyoung Chung

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Education

Seoul National University, M.S. in Statistics — Mar. 2024 - present
- Advisor: Gunwoong Park

Seoul National University, B.S. & B.A. in Statistics & Economics — Mar. 2018 - Feb. 2024
- *Summa cum laude*
- On leave for mandatory military service in Republic of Korea (Sep. 2019 - Apr. 2021)

$*$ indicates the first author, and † indicates the authors who contributed equally

On-going Works

Prediction of high-risk mountain accident areas using a Hurdle model (*Written in Korean*) — Accepted in May 2025

Junhyoung Chung*, Sungjin Lee, Gunwoong Park

TBA in *Korean Journal of Applied Statistics*

Discovering causal structures in corrupted data: Frugality in anchored Gaussian DAG models — Submitted in Aug. 2024

Joonho Shin†, ***Junhyoung Chung***†, Seyong Hwang†, Gunwoong Park†

Under minor revision for *Computational Statistics and Data Analysis*

Publications

Learning distribution-free anchored linear structural equation models in the presence of measurement error — Dec. 2024

Junhyoung Chung*, Youngmin Ahn, Donguk Shin, Gunwoong Park

In *Journal of the Korean Statistical Society*, 1-25, *10.1007/s42952-024-00298-9*
- A summary of this study can be found at *here*

Horse race rank prediction using learning-to-rank approaches (*Written in Korean*) — Apr. 2024

Junhyoung Chung*, Donguk Shin, Seyong Hwang, Gunwoong Park

In *Korean Journal of Applied Statistics, 37*(2), 239-253, *10.5351/KJAS.2024.37.2.239*
- A summary of this study can be found at *here*

Projects

Korean National Fire Agency — Aug. 2024 - Dec. 2024
- Developed a grid-based prediction model for mountain accidents using a Hurdle model

Healing Paper, Online cosmetic surgery matchmaking platform in South Korea — Sep. 2022 - Dec. 2022
- Proposed a classification framework for advertisement images by extracting key information with NLP

Loadcomplete, Mobile game studio in South Korea — July 2022 - Aug. 2022
- Built churn & LTV prediction models via daily play-pattern clustering

LaundryGo, On-demand laundry service platform in South Korea — Mar. 2022 - June 2022
- Analyzed pricing plans and derived subscription recommendations based on user behavior patterns

Academic Activities

Research Internship, Department of Statistics, Seoul National University — June 2023 - Feb. 2024
- Advisor: Gunwoong Park

Growth Hackers, Business School, Seoul National University — Mar. 2022 - Dec. 2022
- A student organization that seeks to create business value through data-driven decision-making

Teaching

Leading Teaching Assistant, Core Computing: Thinking with Computers — Fall 2024

Supporting Teaching Assistant, Statistics Lab. — Spring 2024

Supporting Teaching Assistant, Basic Computing: First Adventures in Computing — Spring, Fall 2023

Talks

Learning distribution-free anchored linear structural equation models in the presence of measurement error — June 2025
- Presented at *Korean Statistical Society Conference*

Discovering causal structures in privacy-protected and noisy data: Frugality in anchored Gaussian DAG models — Nov. 2024
- Presented at *Korea-Japan Joint Symposium of Statistics and Data Science*

Learning distribution-free anchored linear structural equation models in the presence of measurement error — July 2024
- Presented at *Joint International Seminar in Collaboration with Kyushu University*

Awards and Honors

Presidential Science Scholarship, *Korea Student Aid Foundation* (Field: Math) — Mar. 2025 - Feb. 2026

Research Scholarship, Basic Science Research Program, *National Research Foundation of Korea* — Sep. 2024 - Sep. 2025

3rd **Prize, Online Overseas Volunteer Program Contest**, *Korean University Council for Social Service* — Mar. 2022

Undergraduate Scholarship, *Ilju Scholarship Foundation* — Sep. 2018 - Feb. 2024

Extracurricular Activities

Tennis Club, Seoul National University — Sep. 2021 - present

Global SNU Social Responsibility Corps, Seoul National University — Summer 2021

Technologies

Skills: Python, R, LaTex