Junhyoung Chung

Department of Statistics, Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Republic of Korea junhyoung0534 (at) gmail (dot) com | My personal website | My Google Scholar profile

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

Publications

Discovering causal structures in corrupted data: Frugality in anchored Gaussian DAG models

Aug. 2025

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

In Computational Statistics and Data Analysis, 213, 108267, 10.1016/j.csda.2025.108267

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 <u>here</u>

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, Fall 2025 |
|---|----------------------|
| Supporting Teaching Assistant, Statistics | Fall 2025 |
| 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

Undergraduate Scholarship, Ilju Scholarship Foundation

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

Sep. 2018 - Feb. 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 |
| 3 rd Prize, Online Overseas Volunteer Program Contest , Korean University Council for Social Service | Mar. 2022 |

Extracurricular Activities

Tennis Club, Seoul National University

Sep. 2021 - present

Global SNU Social Responsibility Corps, Seoul National University

Summer 2021

Skills

• **Programming:** Python, R, LaTex

• Language: Korean (native), English (fluent), Japanese (conversant)