

Junhyoung Chung

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Education

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- Seoul National University**, M.S. in Statistics Mar 2024 – present
- Awarded a one-year scholarship from *National Research Foundation of Korea*
 - Awarded [the presidential science scholarship](#) from *Korea Student Aid Foundation*
- Seoul National University**, B.S. & B.A. in Statistics & Economics Mar 2018 – Feb 2024
- *Summa cum laude* (GPA: 3.95/4.3)
 - Awarded a full scholarship for six semesters from *Ilju Scholarship Foundation*
 - Completed mandatory military service in South Korea (Sep 2019 - Apr 2021)

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

On-going Works

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- Discovering causal structures in privacy-protected and noisy data: Frugality in anchored Gaussian DAG models** Submitted at Aug 2024
- Joonho Shin[†], **Junhyoung Chung**[†], Seyong Hwang[†], Gunwoong Park[†]
- In revision for *Computational Statistics and Data Analysis*
- Prediction of high-risk mountain accident areas using a Hurdle model** (*Written in Korean*) Accepted at May 2025
- Junhyoung Chung**^{*}, Sungjin Lee, Gunwoong Park
- TBA in *Korean Journal of Applied Statistics*

Publications

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- 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

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- Grid-based mountain accident prediction with Korean National Fire Agency** Aug 2024 - Dec 2024
- Developed a grid-based prediction model for mountain accidents using a Hurdle model
 - Tools used: Python

Talks

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 Jul 2024

- Presented at *Joint international seminar in collaboration with Kyushu University*

Extracurricula

3rd Prize, Online overseas volunteer program contest by Korean university council for social service Mar 2022

Technologies

Skills: Python, R, LaTeX