

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[†]
 In 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
<ul style="list-style-type: none"> Built churn & LTV prediction models via daily play-pattern clustering 	
LaundryGo , On-demand laundry service platform in South Korea	Mar. 2022 - June 2022
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Advisor: <u>Gunwoong Park</u> 	
Growth Hackers , Business School, Seoul National University	Mar. 2022 - Dec. 2022
<ul style="list-style-type: none"> 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

Discovering causal structures in privacy-protected and noisy data: Frugality in anchored Gaussian DAG models	Nov. 2024
<ul style="list-style-type: none"> Presented at <i>Korea-Japan joint symposium of Statistics and Data Science</i> 	
Learning distribution-free anchored linear structural equation models in the presence of measurement error	July 2024
<ul style="list-style-type: none"> Presented at <i>Joint international seminar in collaboration with Kyushu University</i> 	

Awards and Honors

Presidential Science Scholarship	Mar. 2025
<ul style="list-style-type: none"> <i>Korea Student Aid Foundation</i> 	
Research Scholarship, Basic Science Research Program	Sep. 2024
<ul style="list-style-type: none"> <i>National Research Foundation of Korea</i> 	
3rd Prize, Online Overseas Volunteer Program Contest	Mar. 2022
<ul style="list-style-type: none"> <i>Korean University Council for Social Service</i> 	
Undergraduate Scholarship	Sep. 2018
<ul style="list-style-type: none"> <i>Ilju Scholarship Foundation</i> 	

Technologies

Skills: Python, R, LaTeX