

# 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*<sup>\*</sup>, 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<sup>†</sup>, *Junhyoung Chung*<sup>†</sup>, Seyong Hwang<sup>†</sup>, Gunwoong Park<sup>†</sup>  
 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*<sup>\*</sup>, 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*<sup>\*</sup>, 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

<b>Loadcomplete</b> , Mobile game studio in South Korea	July 2022 - Aug. 2022
<ul style="list-style-type: none"> <li>Built churn &amp; LTV prediction models via daily play-pattern clustering</li> </ul>	
<b>LaundryGo</b> , On-demand laundry service platform in South Korea	Mar. 2022 - June 2022
<ul style="list-style-type: none"> <li>Analyzed pricing plans and derived subscription recommendations based on user behavior patterns</li> </ul>	

## Academic Activities

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<b>Research Internship</b> , Department of Statistics, Seoul National University	June 2023 - Feb. 2024
<ul style="list-style-type: none"> <li>Advisor: <u>Gunwoong Park</u></li> </ul>	
<b>Growth Hackers</b> , College of Business School, Seoul National University	Mar. 2022 - Dec. 2022
<ul style="list-style-type: none"> <li>A student organization that seeks to create business value through data-driven decision-making</li> </ul>	

## Teaching

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<b>Leading Teaching Assistant</b> , Core Computing: Thinking with Computers	Fall 2024
<b>Supporting Teaching Assistant</b> , Statistics Lab.	Spring 2024
<b>Supporting Teaching Assistant</b> , Basic Computing: First Adventures in Computing	Spring, Fall 2023

## Talks

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

## Awards and Honors

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

## Technologies

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**Skills:** Python, R, LaTeX