Jonghwan Kim Ph.D. student

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Education

Graduate School of Data Science, Seoul National University Seoul, Republic of Korea
Ph.D student in Data Science 2024 -
- Advisor: Prof. Sanghack Lee
- Research area: Causal Inference with Uncertainty Quantification

Graduate School of Data Science, Seoul National University Seoul, Republic of Korea
M.S. in Data Science 2022 - 2024
- Advisor: Prof. Sanghack Lee
- Research area: Data-driven Causal Structure Learning
- GPA: 4.06/4.30

College of Social Science, Seoul National University Seoul, Republic of Korea
B.A. in Sociology 2015 - 2022
- GPA: 4.08/4.30

College of Humanities, Seoul National University Seoul, Republic of Korea
B.A. in Asian Studies 2015 - 2022
- GPA: 4.08/4.30

Publications

1. **Jonghwan Kim**, Inwoo Hwang, Sanghack Lee. Causal Discovery with Deductive Reasoning: One Less Problem. *40th Conference on Uncertainty in Artifical Intelligence (UAI)*, 2024.

Projects

Deep Generative Models for Causal Inference with Time Series
Collaborative Research with LG AI Research 2024.4 -

Causal Discovery for Non-Stationary Time Series
Collaborative Research with LG AI Research 2023.04 - 2024.04

Internships

LG AI Research | Seoul, South Korea 2025.02 – Present
- Contributed to the development of a causal inference pipeline for data scientists
- Researched scalable causal discovery methods and their application to snRNA datasets

Teaching Experiences

Causal Inference for Data Science
Teaching Assistant 2023.09 - 2023.12

Machine Learning and Deep Learning for Data Science II
Teaching Assistant 2023.03 - 2023.06

Awards and Honors

- **First Prize**, DATA AI competition by KISTI 2024.11
- **Second Prize**, COMPAS data analysis competition by LH 2024.08
- **Academic Scholarship**, Seoul National University 2022.05

Skills

Programming: `Python`, `C`, `C++`, LaTeX.

Tools: Git/GitHub, Unix Shell, PyCharm, PostgreSQL, Neo4j, Google BigQuery

Libraries: Pytorch, Pandas, NumPy, Scikit-learn, Statsmodels, Matplotlib, Seaborn, Joblib, CUDA, OpenCL