

RESEARCH INTEREST My research focuses on Causal Decision Making and Causal Effect Identification. I study how to graphically model a wide range of real-world problems in a causal manner and make optimal decisions. In particular, my research explores methods for making robust decisions, even when modeling with incomplete information, and decision-making processes in sequential settings.

EDUCATION	Graduate School of Data Science, Seoul National University	Seoul
	M.S and Ph.D in Data Science <ul style="list-style-type: none"> • Advisor: Prof. Sanghack Lee • Research area: Causal Decision Making, Causal Effect Identification • GPA: 4.15/4.3 	2022 - present
	Department of Mathematics and Statistics, Sejong University	Seoul
	B.S. in Applied statistics and Mathematics (Double Major) <ul style="list-style-type: none"> • Advisor: Prof. Jieun Lee • Research area: Operator Theory • Overall GPA: 4.04/4.5 (Cum Laude) • Major GPA: 4.46 (<i>Applied statistic</i>) & 4.38 (<i>Mathmatics</i>) /4.5 	2016 - 2022
WORK EXPERIENCE	Graduate School of Data Science, Seoul National University <i>Causality Lab</i>	Jan 2023 - present
	Department of Mathematics and Statistics, Sejong University <i>Functional Analysis Lab</i>	Jul 2021 - Dec 2022
	Korea Military Service <i>National Service Conscript</i>	Aug 2016 - Nov 2018
PUBLICATIONS	<ol style="list-style-type: none"> 1. Structural Causal Bandits under Markov Equivalence <u>Min Woo Park</u>, Andy Ardit, Elias Bareinboim[†], Sanghack Lee[†] <i>Columbia CausalAI Laboratory, Technical Report (preprint), 2025.</i> 2. Convergence of the iterated mean transforms of a 2×2 matrix Ji Eun Lee^{*†} and <u>Min Woo Park</u>[*] <i>under review.</i> 3. Complete Graphical Criterion for Sequential Covariate Adjustment in Causal Inference Yonghan Jung[†], <u>Min Woo Park</u>, and Sanghack Lee[†] <i>Neural Information Processing Systems (NeurIPS), 2024.</i> 4. Computation of the iterated Aluthge, Duggal, and Mean transforms <u>Min Woo Park</u>[*], and Ji Eun Lee^{*†} <i>Filomat, 2023.</i> <p>* for joint first authorship and [†] for corresponding author</p>	
AWARDS AND HONORS	5th place Award 2023 Mr. SNU body building competition, Seoul National University	May 2023
	4th place Award The 9th College of Natural Sciences Academic Conference, Sejong University	Nov 2021
	First Place Academic Scholarship Department of Mathematics and Statistics, Sejong University	Fall 2021
	Third Place Award The 8th College of Natural Sciences Academic Conference, Sejong University	Nov 2020
	First Place Academic Scholarship Department of Mathematics and Statistics, Sejong University	Fall 2020

TEACHING ASSISTANTS	Causal Inference for Data Science	Spring 2025
	Causal Inference for Data Science	Fall 2024
	Hyundai NGV Data Boot-Campus	July 2024 - Sep 2024
	Causal Inference for Data Science	Spring 2024
	Machine Learning and Deep Learning for Data Science II	Fall 2023
	Basic Mathematics for Artificial Intelligence	Spring 2022
INVITED TALKS	SNU GSDS Pizza Seminar Seoul National University	Dec 2024
	NeurIPS Poster Session Vancouver, Canada	Dec 2024
ACADEMIC SERVICES	Conference Reviewer: ICML 2025	
REFERENCE	Sanghack Lee Seoul National University Assistant professor	sanghack@snu.ac.kr
	Ji Eun Lee Sejong University Associate Professor	jieunlee7@sejong.ac.kr

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