

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

TEACHING ASSISTANTS	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   NeurIPS'24, Vancouver	Dec 2024
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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