Jeonghwan Lee

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E-mail: jhlee97@uc Address: George He Phone: +1-773-702-	erbert Jones Laboratory, Room 208, Chicago, IL, United States, 60637
Research Interests	 Theory of statistics: High-dimensional and non-parametric statistics. Causal inference with an emphasis on (non-asymptotic) theoretical viewpoints. Machine learning theory: Statistical foundations of reinforcement learning, statistical learning under distribution shift, optimization, and learning in games. Probability theory: Learning in the space of probability measures.
Education	The University of Chicago.Chicago, IL, United States \diamond Ph.D. candidate in Statistics: Sep. 2022 \diamond Advisor: Professor Cong Ma.
	 Korea Advanced Institute of Science and Technology. Daejeon, Republic of Korea Bachelor of Science in Mathematical Sciences: Mar. 2015 – Feb. 2022. Graduated with honors (Summa Cum Laude and the KAIST Presidential Award). Left for mandatory military service: Oct. 2018 – Aug. 2020.
Publications	Published works (Here, * denotes equal contribution.)
1	 Off-policy estimation with adaptively collected data: the power of online learning. > Jeonghwan Lee and Cong Ma. > 38th Annual Conference on Neural Information Processing Systems (NeurIPS), Dec. 2024. (Link: arXiv:2411.12786).
2	 2. A Worker-Task Specialization Model for Crowdsourcing: Efficient Inference and Fundamental Limits.
3	 A Generalized Worker-Task Specialization Model for Crowdsourcing: Optimal Limits and Algorithm. Doyeon Kim*, Jeonghwan Lee*, and Hye Won Chung. Proceedings of the IEEE International Symposium on Information Theory (ISIT), Jul. 2022.
4	 Robust Hypergraph Clustering via Convex Relaxation of Truncated MLE. Jeonghwan Lee, Daesung Kim, and Hye Won Chung. <i>IEEE Journal on Selected Areas in Information Theory (JSAIT)</i>, vol. 1, no. 3, pp. 613–631, Nov. 2020. (Link: arXiv:2003.10038).

Honors and Scholarships	Doctoral Overseas Scholarship. Kwanjeong Educational Foundation.	Sep. 2022 –
	The KAIST Presidential Award.	Feb. 2022
	 KAIST Math Problem Of the Week (POW). Department of Mathematical Sciences at KAIST. Excellence award. 	Jun. 2019
	 University Students Contest of Mathematics. Korean Mathematical Society. Silver prize (for majors). 	Dec. 2017
	Dean's List.	Sep. 2017
	Honor Student at KAIST.	Aug. 2017 – Present
	National Excellence Scholarship for Science & Engineering.	Mar. 2017 – Jun. 2021
	 Department Honorary Schloarship. > Department of Mathematical Sciences at KAIST. > Awarded to the top student in the previous semester. 	Mar. 2017 – Jun. 2017
Teaching Experience	 Teaching assistants at the University of Chicago. STAT 22000: Statistical methods and applications. STAT 22000: Statistical methods and applications. STAT 22000: Statistical methods and applications. 	Winter 2025 Autumn 2023 Winter 2023
Work Experience	 Learning support volunteer activity. The place of work: Jinju Dong Middle School. Worked as a mathematics learning support assistant for two ser 	Mar. 2019 – Dec. 2019 nesters.
	 Republic of Korea Air Force. The place of work: Education and Training Command of the Repu Worked as an aerographer (Mandatory military service). Starting position: Airman Basic / Ending position: Staff Sergean 	
Attended Programs	 38th Annual Conference on Neural Information Processing S ♦ The NeurIPS Foundation. 	Systems (NeurIPS). Dec. 2024
	Statistics annual winter workshop: Causal inference and its Dept. of Statistics and Dept. of Economics at the University of H	

	Big Data and Machine Learning in Econometrics, Finance, and Statistics.		
	 Stevanovich Center for Financial Mathematics at the University of Chicag 	o. Oct. 2022	
	The 2nd Workshop on Seeking Low-dimensionality in Deep Neural Networks.		
	♦ IEEE Information Theory Society.	Nov. 2021	
	Summer School on Random Structures in Optimizations & Related A	pplications.	
	♦ The School of Mathematics at the University of Minnesota, Twin Cities.	Jun. 2021	
	The 17th KIAS Combinatorics Workshop.		
	♦ Korea Institute for Advanced Study.	Aug. 2017	
Skills	Computer Skills		
	◊ Programming languages: Python, C++, Java, MATLAB, R.		
	◊ Softwares: LATEX, Excel.		
	Languages		
	♦ Korean: Native.		
	◊ English: Fluent.		
	◊ Japanese: Moderate.		
References	Professor Cong Ma (congm@uchicago.edu)		
	♦ Assistant Professor in the Department of Statistics at the University of Chief	cago.	
	Professor Hye Won Chung (hwchung@kaist.ac.kr)		
	♦ Associate Professor in the School of Electrical Engineering and the School o at KAIST.	f Computing	