

CONTACT	TEL: (312) 972-7073 EMAIL: junghol@andrew.cmu.edu WEBSITE: jungholeestat.github.io		
RESEARCH INTERESTS	Methodology: Causal inference, machine learning, nonparametric statistics Application: Public policy, online experimentation		
EDUCATION	Carnegie Mellon University	Pittsburgh, PA	
	Joint Ph.D. in Statistics and Public Policy	2023 – 2028 (Expected)	
	ADVISOR: EDWARD H. KENNEDY		
	The University of Chicago	Chicago, IL	
	M.S. in Statistics	2021 – 2023	
	ADVISORS: PANOS TOULIS , LEK-HENG LIM		
	Boston College	Chestnut Hill, MA	
	B.A. in Mathematics, B.A. in Economics with Honors	2014 – 2018	
	ADVISOR: CLAUDIA OLIVETTI		
WORKING PAPERS	*equal contributions		
	JungHo Lee , Valerio Baćak, Edward H. Kennedy. <i>Smooth Populations of Parameters with Trial Heterogeneity</i>		
	JungHo Lee , David Puelz, and Panos Toulis. <i>Fisher Meets BART: Integrating Causal Machine Learning with Randomization Tests</i>		
	Wenxuan Guo*, JungHo Lee *, and Panos Toulis. <i>ML-Assisted Randomization Tests for Complex Treatment Effects in A/B Experiments</i> – Submitted to NEURIPS 2024		
CONFERENCES/ WORKSHOPS	Rongbiao Wang, JungHo Lee , Lek-Heng Lim. <i>Summing Divergent Matrix Series</i> [arXiv] – Submitted to Numerische Mathematik		
	Wenqian Xing, JungHo Lee , Chong Liu, and Shixiang Zhu. <i>Black-Box Optimization with Implicit Constraints for Public Policy</i> [arXiv] – ICLR 2024 Workshop on Generative Models for Decision Making		
PRESENTATIONS	ML-Assisted Randomization Tests for Complex Treatment Effects [poster] • American Causal Inference Conference 2024 (Poster)		
	Fisher Meets BART: Integrating Causal Machine Learning with Randomization Tests [poster] • American Causal Inference Conference 2023 (Oral) • American Statistical Association, Northern-Illinois Chapter 2022 (Poster) • International Society for Bayesian Analysis 2022 (Poster)		
HONORS/AWARDS	PWC CENTER PRESIDENTIAL FELLOWSHIP, CARNEGIE MELLON UNIVERSITY		2023
	FIRST PLACE, ASA Northern Illinois Chapter Student Poster Competition		2022
	MERIT-BASED TUITION SCHOLARSHIP, UChicago Statistics Department		2022
	JUNIOR RESEARCHER TRAVEL GRANT, International Society for Bayesian Analysis		2022

TEACHING

Instructor

THE UNIVERSITY OF CHICAGO

- [Statistics for Research](#), Environmental Data Science Bootcamp (Graduate) [[evaluation](#)] Sep 2022

Teaching Assistant

CARNEGIE MELLON UNIVERSITY

- [Summer Undergraduate Research Experience \(SURE\) in Statistics](#) Summer 2024

THE UNIVERSITY OF CHICAGO

- BUS 41204: Machine Learning (MBA, Booth School of Business) Winter 2023
- DATA 22700: Data Visualization and Communication (Undergraduate) Autumn 2022
- BUS 41100: [Applied Regression Analysis](#) (MBA Core, Booth School of Business) Autumn 2021
- STAT 32940: [Multivariate Data Analysis via Matrix Decompositions](#) (Graduate) Autumn 2021

OTHER EXPERIENCE

CMU Statistics & Data Science

Pittsburgh, PA

RESEARCH ASSISTANT

Aug 2024 – Current

- Develop a doubly-robust estimator for heterogeneous treatment effects under time-varying treatments
- Grant support: “Efficient nonparametric estimation of heterogeneous treatment effects” (NIH R01-LM013361-01A1) from Edward H. Kennedy and Luke Keele

InspiritAI

Virtual

AI INSTRUCTOR

Jul 2022 – Aug 2022

- Taught various topics in machine learning with demonstrations using Scikit-Learn; provided mentorship on group AI project about exoplanet detection

Army Missile Strategic Command

Wonju, South Korea

INTERPRETER SERGEANT

Jul 2018 – Mar 2020

- Translated publications about strategic weapon systems; assisted FUOPS and CUOPS during ROK-US joint exercises; escorted and interpreted for foreign VIPs

SERVICE

Reviewer

- INFORMS Workshop on Data Science 2024, American Causal Inference Conference 2024

SKILLS

Technical

- PROGRAMMING AND SCRIPT LANGUAGES: R, Python(PyTorch, Pandas, Scikit-learn), SQL
- OTHERS: Git, cluster computing, \LaTeX

Languages

English (bilingual proficiency), Korean (native)

SOFTWARE

[MLRand](#): Python package for ML-assisted randomization tests

OTHER INTERESTS

Tennis, running, cooking, reading