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| CONTACT | TEL: (312) 972-7073 EMAIL: junghol@andrew.cmu.edu | |
| RESEARCH INTERESTS | Causal inference, machine learning, applications to public policy | |
| 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 and Edward H. Kennedy. <i>Optimal Estimation of Smooth Populations of Parameters with Trial Heterogeneity</i> | |
| | Wenxuan Guo*, JungHo Lee *, and Panos Toulis. <i>ML-Assisted Randomization Tests for Complex Treatment Effects in A/B Experiments</i> [submitted] | |
| | JungHo Lee , David Puelz, and Panos Toulis. <i>Fisher Meets BART: Integrating Causal Machine Learning with Randomization Tests</i> | |
| | Rongbiao Wang, JungHo Lee , Lek-Heng Lim. <i>Summing Divergent Matrix Series</i> [arXiv] | |
| CONFERENCES/ WORKSHOPS | Wenqian Xing, JungHo Lee , Chong Liu, and Shixiang Zhu. Conditional Generative Representation for Black-Box Optimization with Implicit Constraints [arXiv] – ICLR 2024 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) | |
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| 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 | 2022 |
| | JUNIOR RESEARCHER TRAVEL GRANT, International Society for Bayesian Analysis | 2022 |
| | UNDERGRADUATE RESEARCH FELLOWSHIP, Boston College Economics Department | 2017 |

TEACHING

Instructor

THE UNIVERSITY OF CHICAGO

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

Teaching Assistant

CARNEGIE MELLON UNIVERSITY

- 95-796/90-777: Intermediate Statistics (Graduate, Heinz College) Fall 2024
- [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

WORK EXPERIENCE

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: American Causal Inference Conference 2024

SKILLS

Technical

- PROGRAMMING AND SCRIPT LANGUAGES: R, Python
- OTHERS: Git, cluster computing, \LaTeX

Languages

Korean (native), English (bilingual proficiency)

OTHER INTERESTS

Tennis, acoustic guitar, cooking