GABRIEL SARGENT

gsargent@unc.edu

EDUCATION

University of North Carolina at Chapel Hill *August 2024 - May 2029 (expected)*
Ph.D., Statistics and Operations Research

Relevant Coursework: Measure-Theoretic Probability I, II; Statistical Theory I, II; Stochastic Processes I; Optimal Transport, Statistical and Probabilistic Principles of Generative AI

University of Notre Dame *August 2020 - May 2024*
Bachelor of Science, Honors Mathematics

Relevant Coursework: Basic Real Analysis I, II*; Honors Real Analysis I; Statistical Inference*; Applied Bayesian Statistics*; Applied Probability*; Honors Calculus III, IV; Honors Algebra I, II, III; Basic Algebra II*; Theory of Computing; Numerical Analysis I*.

∗ Graduate level

PUBLICATIONS

G. Sargent, W. W. Sun, Z. Zhang, Y. Liu (2026). "Prediction-Powered Adaptive Inference with Pretrained AI Models for Contextual Bandits." *International Conference on Machine Learning (ICML)*, 2026.

D. Chen, P. Harris, J. Mori, E Pabón-Cancel, G. Sargent (2022). "Permutation Invariant Parking Assortments." *Enumerative Combinatorics and Applications*, vol. 4, no. 1, 2023.

TEACHING EXPERIENCE

(TA) STOR 535: Probability for Data Science

(TA) STOR 320: Methods and Models of Data Science

HONORS AND GRANTS

Best Junior Performance Overall in Department of Mathematics (Notre Dame) ($375)

UNC Graduate School Transportation Award ($1000)

Glynn Family Honors Program Scholar

Glynn Family Honors Program 2021 Summer Research Grant ($4,500) (May 2021)

2023 Goldwater Scholarship Nominee (Notre Dame)

Glynn Family Honors Program Travel Grant ($350) (January 2023)

SACNAS Travel Scholarship (October 2022)

PRESENTATIONS

Prediction-Powered Adaptive Inference with Pretrained AI Models for Contextual Bandits, YinzOR Student Conference, August 2026 (poster).

Prediction-Powered Adaptive Inference with Pretrained AI Models for Contextual Bandits, ICML, July 2026 (poster).

Graph-Constrained Mass Transport, UNC Charlotte, July 2023 (talk).

On Permutation Invariant Parking Assortments, SACNAS, July 2022 (poster).

On Permutation Invariant Parking Assortments, Joint Mathematics Meeting, January 2023 (talk).

On Permutation Invariant Parking Assortments, Joint Mathematics Meeting, January 2023 (poster).

TECHNICAL SKILLS

Languages: Python

Libraries: NumPy, pandas, Matplotlib