ANTONIO D'ALESSANDRO

ajd430@nyu.edu // adalessandro@gmail.com

EDUCATION

Ph.D. Biostatistics Expected 2027
Thesis: *Modern Causal Machine Learning for Data Integration and Treatment Effect Heterogeneity*
Advisors: Michele Santacatterina & Samrachana Adhikari
New York University, NY

M.Phil. Biostatistics 2025
New York University, NY

B.A. Mathematics 2022
Summa Cum Laude
Queens College, NY

RESEARCH INTERESTS

causal inference, machine learning, randomized experiments, data science and statistics with applications to biomedical research and sports analytics

PRE-PRINTS

D'Alessandro, A., Kim, J., Adhikari, S., Bargagli-Stoffi, F., Goff, D. & Santacatterina, M. *Modern Causal Inference Approaches To Improve Power For Subgroup Analysis In Randomized Controlled Trials. (Under Review)* https://arxiv.org/abs/2505.08960.

INDUSTRY EXPERIENCE

Senior Data Analyst 2019-2022
MBD Bronx, NY.

Data Analyst 2012-2019
MBD Bronx, NY.

TEACHING EXPERIENCE

Teaching Assistant - Introduction to Probability and Statistics — New York University Fall 2024
Teaching Assistant - Introduction to Bayesian Statistics — Queens College Spring 2021

PRESENTATIONS

Talk - Modern Causal Inference Approaches for Randomized Trials. — NESS 2025
Poster Presentation - Modern Causal Inference Approaches for Randomized Trials. — ACIC 2025
Poster Presentation - Modern Causal Inference Approaches for Randomized Trials. — NYUSOM Fall 2024

ACADEMIC AWARDS

The Eva and Jacob Paulson Memorial Award - $562 — Spring–2021
S & K Wachsberger Scholarship - $2500 — Fall–2021
S & K Wachsberger Scholarship - $2500 — Fall–2020
Accelerated M.A. Scholarship - $2050 — Fall–2019

SOFTWARE TOOLS

Platforms R and Python