Diego Martinez Taboada

diegomar@andrew.cmu.edu

Education

PhD in Statistics & Data Science — Aug. 2022 – present
Carnegie Mellon University — Pittsburgh, USA
Advisor: Aaditya Ramdas

MSc in Statistical Science — Oct. 2021 – Sep. 2022
University of Oxford — Oxford, UK
Grade: Distinction
Advisor: Dino Sejdinovic
Thesis: Uncertainty quantification for the multi-armed bandit and the off-policy evaluation problems

BSc in Mathematics — Sep. 2017 – June 2021
University of Santiago de Compostela — Santiago de Compostela, Spain
Grade: 9.89 / 10.00
Advisor: Wenceslao Gonzalez Manteiga
Thesis: A statistical inference overview of Gaussian distributions

Experience

Quantitative Research Intern — June 2025 – August 2025
G-Research — London, UK

Teaching assistant — Aug. 2022 – May 2023, Aug. 2025 – Dec. 2025
Carnegie Mellon University — Pittsburgh, USA

- Natural Language Processing (*course 46-924*)
- Deep Learning (*course 46-937*)
- Special Topics: Methods of Statistical Learning (*course 36-462*)
- Introduction to Probability Theory (*course 36-225*)

Machine Learning Research Intern — Sep. 2021
CiTIUS (Centro Singular de Investigación en Tecnoloxías Intelixentes) — Santiago de Compostela, Spain

- Predicting the efficiency values of a Data Envelopment Analysis (DEA) model via machine learning

Honors and Awards

'la Caixa' Foundation Fellowship — 2022
Full fellowship for conducting two years of the PhD in Statistics & Data Science at Carnegie Mellon University

Barrie Foundation Fellowship — 2021
Full fellowship for conducting the MSc in Statistical Science at the University of Oxford

University of Santiago de Compostela 'Extraordinary End of Studies Award' — 2021
Class rank 1 of the BSc in Mathematics at the University of Santiago de Compostela

Mathematical Olympiad Award — 2017
Regional (Galician) Mathematical Olympiad, Second Place

Physics Olympiad Awards — 2017
National Physics Olympiad, Honorable Mention; Regional (Galician) Physics Olympiad, Second Place

Preprints

Diego Martinez-Taboada, Aaditya Ramdas. Intrinsic dimension concentration inequalities for self-adjoint operators.

Diego Martinez-Taboada, Aaditya Ramdas. Sharp empirical Bernstein bounds for the variance of bounded random variables.

Justin Whitehouse, Ben Chugg, **Diego Martinez-Taboada**, Aaditya Ramdas. Mean Estimation in Banach Spaces Under Infinite Variance and Martingale Dependence.

PUBLICATIONS

Diego Martinez-Taboada, Tomas Gonzalez, Aaditya Ramdas. Vector-valued self-normalized concentration inequalities beyond sub-Gaussianity. *International Conference on Algorithmic Learning Theory (ALT)*, 2026.

Diego Martinez-Taboada, Aaditya Ramdas. Empirical Bernstein in smooth Banach spaces. *Annals of Applied Probability*, 2026.

Diego Martinez-Taboada, Aaditya Ramdas. Sequential Kernelized Stein Discrepancy. *Artificial Intelligence and Statistics (AISTATS)*, 2025.

Diego Martinez-Taboada, Edward H. Kennedy. Counterfactual Density Estimation using Kernel Stein Discrepancies. *International Conference on Learning Representations (ICLR)*, 2024.

Diego Martinez-Taboada, Aaditya Ramdas, Edward H. Kennedy. An Efficient Doubly-Robust Test for the Kernel Treatment Effect. *Neural Information Processing Systems (NeurIPS)*, 2023.

SERVICE

Reviewer: NeurIPS, Journal of Machine Learning Research (JMLR), Machine Learning.

OTHER

Languages: Spanish (Native), Galician (Native), English (Proficient), French (Advanced), German (Basic)
Programming: Python