

Ahnaf Rafi — CV

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Academic Appointments

Assistant Professor of Economics, University of Virginia August 2024 – Present

Education

Ph.D. Economics, Northwestern University September 2018 – June 2024
Dissertation Title: *Essays in Econometrics*
Committee: Joel L. Horowitz, Ivan A. Canay, Eric J. Auerbach

M.Sc. Econometrics and Mathematical Economics, LSE September 2017 – June 2018
B.Sc. Mathematics and Economics, LSE September 2014 – June 2017

Research Interests

Econometrics (Primary): Semiparametric and Nonparametric Methods, Statistical Analysis of Experiments, Experiment Design, Bootstrap and Resampling Methods, High-Dimensional Models, Econometric Analysis of Social Networks

Published, Accepted or Forthcoming Papers

2. **“On the Performance of the Neyman Allocation with Small Pilots”** with Yong Cai. *Journal of Econometrics*, Volume 242, Issue 1, May 2024, Article 105793. [[ArXiv:2206.04643](#)].
1. **“K-Anonymity: A Note on the Trade-Off between Data Utility and Data Security”** with Tatiana Komarova, Denis Nekipelov and Evgeny Yakovlev. *Applied Econometrics*, Vol. 48, 2017, 44–62.

Working Papers

4. **“Efficient Semiparametric Estimation of Average Treatment Effects Under Covariate Adaptive Randomization”**. *Revise and Resubmit at the Journal of Econometrics*.
3. **“Bootstrap based asymptotic refinements for high-dimensional nonlinear models”** with Joel L. Horowitz. *Revise and Resubmit at the Journal of Econometrics*.

2. “Regression Discontinuity Design with Spillovers” with Eric Auerbach and Yong Cai.
1. “Nonparametric inference for a class of functionals in the random coefficients logit model.”

Presentations

2024: University of Arkansas, University of Virginia, Louisiana State University, NYU Abu Dhabi, University of Notre Dame

Fellowships & Awards

Dissertation University Fellowship, Northwestern University Academic Year 2023–2024

Teaching

Instructor, University of Virginia
 ECON 3720: Introduction to Econometrics (UG) 2024 Fall Semester

Teaching Assistant, Northwestern University
 ECON 480-2: Econometrics II (G) 2020–2023 (Winter Quarter each year)
 ECON 310-1: Microeconomics I (UG) 2019 Fall Quarter

Lecturer, Northwestern University
 Econometrics Review for Incoming Ph.D. Students 2021 Summer

Teaching Assistant, LSE
 EC309: Econometric Theory (UG) 2018 Lent
 EC201: Microeconomic Principles I (UG) 2017 Michaelmas, 2018 Lent

Note: UG = Undergraduate, G = Graduate

Research Assistance Experience

Research Assistant, [Joel Horowitz](#), Northwestern University 2020 Summer – 2023 Winter
 Research Assistant, [Eric Auerbach](#), Northwestern University 2020 Spring Quarter
 Research Assistant, [Tatiana Komarova](#), LSE 2017 Summer

Languages

Native: English, Bengali

Programming

Advanced: Julia, R, Python, \LaTeX
Intermediate: Emacs Lisp, Stata

Beginner: Lua

References

Professor Joel L. Horowitz
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Professor Eric J. Auerbach
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