Advait R. Aiyer

3rd Floor, Vance Hall, 3733 Spruce St.
Department of Business Economics and Public Policy
The Wharton School of the University of Pennsylvania
Philadelphia, PA, 19104

Email: advaitra@wharton.upenn.edu
Website: https://advaitr8.github.io/
Phone: +1-(510)-374-8955

RESEARCH INTERESTS	development economics; industrial organization; higher education markets; Bayesian statistics

EDUCATION		
	The Wharton School of the University of Pennsylvania	
	Ph.D. in Applied Economics	2020 -
	The New School for Social Research	
	MS in Economics	2018
	St. Joseph's College of Arts and Sciences, Bangalore University	
	BSc. in Economics, Mathematics, and Statstics	2014

FELLOWSHIPS & AWARDS		
	Penn Center for the Advanced Study of India Sobti Doctoral Fellowship ($12.5k)	2024
	The Wharton School, Mack Institute Research Fellowship ($5k)	2024
	The Wharton School, Global Initiatives Research Fellowship ($5k)	2024
	Penn Center for the Study of Ethnicity, Race, & Immigration Fellowship ($2.5k)	2023
	Penn Center for the Advanced Study of India Research Funds ($5k)	2022
	Penn Development Research Initiative Research Grant ($2k)	2022
	Penn Development Research Initiative Fellow	2021 -
	The Wharton School, Doctoral Education Fellowship	2020 -
	The New School for Social Research, Dean's Fellowship Award	2017
	The New School for Social Research, Dean's Merit Scholarship	2015

ARTICLES	
	Peer Reviewed
	[1] Bayesian Analysis of Randomized Controlled Trials (w. J.K. Bautista and A. Pavlakis) *International Journal of Eating Disorders*, DOI: 10.1002/eat.22928, 2018.
	Working Papers
	[1] Price Regulation in Centralized College Admission Systems
	[2] Unintended Consequences of Price Regulation in College Markets
	[3] Multilevel Modeling of Infant Mortality in India (w. J.K. Bautista and A. Pavlakis)
	[4] Caste, access to credit and social engagement: A network theoretic approach
	In Progress
	[1] Measuring College Quality and its Determinants (w. G Khanna, N. Kumar, and K. Muralidharan)
	[2] Alleviating Loneliness Among Migrant Garment Workers in India (w. A Adhvaryu, A. Nyshadham, A. Russell, H. Schofield, and P. Souza)

TECHNICAL SKILLS	
	Programming
	R, Stan, Python [scikit-learn], AWS (S3, SageMaker), JupyterLab, Mathematica, LaTeX, Stata
	Applications
	causal inference methods; reduced form and structural econometrics; Bayesian hierarchical models; MCMC sampling; Hamiltonian Monte Carlo algorithms; panel data and time series analysis; machine learning; variational inference; expectation maximization; network analysis; data visualization; R package development, UNIX, GitHub, SurveyCTO

RESEARCH EXPERIENCE	**Amazon**	
	Economist Intern: Reduced Form and Causal Analysis	Summer 2024
	∗ Worked with the Worldwide Returns and Recommerce team	

University of Pennsylvania

Research Assistant for Prof. H. Schofield — Mar 2022 - Jun 2023
∗ Examine the impact of loneliness and depression on reverse migration and productivity of migrant factory workers

Research Assistant for Prof. S. Anagol — Jun 2021 - Aug 2021
∗ Worked with the Indian Consumer Pyramids Household panel dataset
∗ Analyzed measures of household finance like consumption, expenditure, and borrowing
∗ Estimated household marginal propensity to consume in response to income shocks

Research Assistant for Prof. C. Low — Mar 2021 - Oct 2021
∗ Worked with Ambika Sharma and Dr. Gareth Roberts at the World Bank
∗ Analyzed data and prepared policy briefs for the Africa Gender Innovation Lab's Supporting Women's Livelihoods project

Abdul Latif Jameel Poverty Action Lab (J-PAL South Asia)

Research Associate at the Behavioral Development Lab, Goa — Jun 2018 - Jun 2020
∗ Worked with Profs. G. Rao, F. Schilbach, J. Haushofer and J. de Quidt to investigate the economic consequences of depression and psychotherapy
∗ Designed and implemented behavioral experiments and surveys to measure belief updating, information processing, and preferences (risk, social, and time)

Columbia University

Collaborated with Prof. A. Gelman and Dr. B. Carpenter — Oct 2017 - Jun 2020
∗ Developed teaching material for Intro to Bayesian Statistics

TEACHING

University of Pennsylvania

Teaching Assistant [Business in the Global Political Economy, BEPP 2030]	Fall 2024
Teaching Assistant [Introductory Economics, BEPP 1000]	Fall 2023
Teaching Assistant [Managerial Economics, BEPP 2500]	Spring 2023
Teaching Assistant [Wharton Executive MBA, MGEC 6110/6120]	Summer 2022
Teaching Assistant [Applied Econometrics, HCMG 901]	Spring 2022

The New School for Social Research

Instructor [QR II: Research Methods and Data Viz.]	Fall 2017 - Spring 2018
Teaching Assistant [Advanced Microeconomics I, GECO 6200]	Fall 2016
Specialist Math Tutor [University Learning Center]	Sep 2015 - Sep 2016

LANGUAGES — English (native); Hindi (fluent); Tamil (fluent); Arabic (reading and writing); Bengali (speaking); Malayalam (speaking); Kannada (speaking)

INTERESTS — motorcycles; aquascaping; succulents; basketball; swimming; Pink Floyd; darkpsy

REFERENCES

Prof. Santosh Anagol	**Prof. Gaurav Khanna**	**Prof. Atul Gupta**
The Wharton School	School of Global Policy and Strategy	The Wharton School
University of Pennsylvania	University of California, San Diego	University of Pennsylvania
3733 Spruce Street	9500 Gilman Dr #0519	3641 Locust Walk
Philadelphia, PA, 19104	La Jolla, CA, 92093	Philadelphia, PA, 19104
anagol@wharton.upenn.edu	gakhanna@ucsd.edu	atulgup@wharton.upenn.edu
+1-(215)-898-3015	+1-(858)-534-5914	+1-(215)-573-9075