

# Advait Rajagopal

F306, Supreme by the Woods, 405/8 Sangolda, Pilerne, Porvorim, Goa, 403521  
arajagopal@povertyactionlab.org • <https://advaitr8.github.io> • <https://github.com/advaitr8> • +91- 973- 921-2806

RESEARCH INTERESTS	development economics; inequality; health economics, statistical methodology, Bayesian modeling, machine learning and network analysis	
EDUCATION	<b>The New School for Social Research</b> , New York, NY, USA <i>Master of Science (MS) in Economics</i>	2018
	<b>St. Joseph's College of Arts and Sciences</b> , Bangalore University, India <i>Bachelor of Science (BSc.) in Economics, Mathematics, Statistics</i>	2014
AWARDS	The New School for Social Research, Dean's Fellowship Award	2017
	The New School for Social Research, Dean's Merit Scholarship	2015
TECHNICAL SKILLS	<b>PROGRAMMING LANGUAGES</b> R, Stan, Python [scikit-learn], Mathematica, Octave, L <sup>A</sup> T <sub>E</sub> X, Stata  <b>APPLICATIONS</b> Bayesian hierarchical models; partial pooling; MCMC sampling including Hamiltonian Monte Carlo algorithms; machine learning; variational inference; expectation maximization; panel data analysis; time series analysis; network analysis and data visualization; R package development	
PUBLICATIONS	<b>JOURNALS AND CONFERENCES</b>  Bayesian Analysis of Randomized Controlled Trials (w. A. Pavlakis and J.K. Bautista), <i>International Journal of Eating Disorders</i> , DOI: 10.1002/eat.22928, 2018.  Multilevel modeling of Infant Mortality in India. (w. A. Pavlakis and J.K. Bautista) [ <i>revise and resubmit at the Journal of Development Studies</i> ]  The Relationship between Infant Mortality Rate and Health Expenditure in India: A Bayesian Approach, <i>Social Science Research Network (SSRN)</i> , 2016.  Substantiation of democracy as a responsibility of the media, <i>Proceedings of the National Conference on Media Ethics and Social Responsibility</i> , [ISBN 978-81-7086-697-8], 2013.  <b>WORKING PAPERS</b>  The Structure of Input-Output Linkages and Economic Growth (w. J. Yang, L.D Torres-Gonzalez, F. Lafond and D. Farmer).  Caste, access to credit and social engagement: A network theoretic approach.  Corruption in licensing and the canonical social interaction model.  Bayesian hierarchical models relating growth rates, debt to GDP ratios and financial stress (w. C. Schoder).	
RESEARCH AND WORK EXPERIENCE	<b>Abdul Latif Jameel Poverty Action Lab (J-PAL South Asia), Goa, India</b> <i>Research Associate [The Economic Consequences of Depression]</i> <ul style="list-style-type: none"><li>Work with Profs. G. Rao (Harvard University), F. Schilbach (Massachusetts Institute of Technology), J. Haushofer (Princeton University), J. de Quidt (IIES, Stockholm University) to conduct research in the field of behavioral development economics</li><li>Lead implementation of behavioral experiments and surveys in the field, to study how depression and psychotherapy affect economic behavior like risk taking, information processing, and beliefs</li></ul> <b>Columbia University, New York, NY, USA</b> <ul style="list-style-type: none"><li>Develop teaching material for Bayesian Statistics and Introduction to Stan with Prof. A. Gelman and Dr. B. Carpenter</li><li>Working with Prof. A Gelman, M. Morris and J. Gabry to write a book on Bayesian Statistics with Stan</li></ul>	<b>Jun 2018 - Present</b>          <b>Oct 2017 - Present</b>

- Working on contributing to RStanArm package - facilitating ARIMA models

**The New School for Social Research, New York, NY, USA**

*Research Assistant [Quantitative Reasoning Department]*

**Aug 2017 - Apr 2018**

- Work with Prof. R. Flek
- Help develop teaching tools for statistics and probability and make reproducible Mathematica notebooks to aid the teaching of statistics

**Amundi Asset Management, Abu Dhabi, U.A.E**

*Internship [Institutional Investment Sales Department]*

**Summer 2015**

- Analysis for institutional investor strategies, researched the institutional market in the Middle East and helped sign new clients

**TEACHING  
EXPERIENCE**

**The New School for Social Research, New York, NY, USA**

*Instructor [Quantitative Reasoning II: Research Methods and Data Visualization]* **Fall 2017 - Spring 2018**

- Primary instructor for the course, teach statistics, probability, and applications using Mathematica

*Graduate Teaching Assistant [Advanced Microeconomics I, GECO 6200]*

**Fall 2016**

- Instructor for the lab component of a core PhD course in microeconomics. (w.Prof. S. Reddy)

*Specialist Math Tutor [New School University Learning Center]*

**Sep 2015 – Sep 2016**

- Taught mathematics, economics, statistics, data analysis and computing

**LANGUAGES**

English; Hindi; Tamil; Arabic; Bengali; Malayalam; Kannada

**INTERESTS**

motorcycles, aquascaping, succulents, basketball, swimming, Pink Floyd

**REFERENCES**

▪ **Prof. Gautam Rao**

Department of Economics

Littauer Center M-30, Harvard University, Cambridge, MA, 02138

grao@fas.harvard.edu • +1-617-496-2614

▪ **Prof. Andrew Gelman**

Department of Statistics, Department of Political Science

1016 Social Work Bldg (Amsterdam Ave. at 122 St.), Columbia University, New York, NY, 10027

gelman@stat.columbia.edu • +1-212-851-2142 / +1-212-229-5100 x3443

▪ **Prof. Johannes Haushofer**

Woodrow Wilson School of Public and International Affairs

427 Peretsman Scully Hall, Princeton University, Princeton, NJ, 08540

haushofer@princeton.edu • +1 617 360 1605

[CV compiled on 2020-04-25]