

# SEEMA JAYACHANDRAN

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## Education

2004 Ph.D., Harvard University, Economics  
1999 A.M., Harvard University, Physics  
1995 M.A., University of Oxford, Physics and Philosophy  
1993 S.B., Massachusetts Institute of Technology, Electrical Engineering

## Academic Employment

2022–present Professor of Economics & Public Affairs, Princeton University  
Director, Research Program in Development Economics, Princeton University  
2018–2022 Professor, Department of Economics, Northwestern University  
2011–2018 Associate Professor, Department of Economics, Northwestern University  
2006–2011 Assistant Professor, Department of Economics, Stanford University  
2004–2006 Robert Wood Johnson Foundation (Postdoctoral) Scholar in Health Policy Research, University of California, Berkeley

## Other Current Positions

Co-Director, Development Economics Program, National Bureau of Economic Research (2019–)  
Chair of Gender Sector (2018–) & Board of Directors (2012–), Abdul Latif Jameel Poverty Action Lab  
Board of Directors, Bureau for Research and Economic Analysis of Development (2012–)  
Co-Editor, American Economic Journal: Applied Economics (2018–)  
Committee on Honors and Awards, American Economic Association (2021–)  
Committee on Population, National Academies of Sciences, Engineering, & Medicine (2022–)  
Non-Resident Fellow, Center for Global Development (2022–)  
Board of Directors, CARE USA (2021–)

## Past Positions

Contributing writer, New York Times, Economic View column (2017–2021)  
Non-Resident Senior Fellow, Brookings Institution (2019–2021)  
Co-Director, NBER Gender in the Economy Study Group (2020)  
Visiting Scholar, King Center on Global Development, Stanford University (2019–2020)  
Associate Editor, Quarterly Journal of Economics (2014–2020)  
Co-Chair, J-PAL Health Sector (2012–2018)  
Board of Reviewing Editors, Science (2016–2018)  
Associate Editor, American Economic Review (2014–2018)  
Associate Editor, Journal of Economic Perspectives (2016–2018)  
Co-Editor, Journal of Human Resources (2012–2016)  
Associate Editor, Journal of Development Economics (2010–2016)

Visiting Associate Professor, Department of Economics, MIT (2014–2015)  
 Consultant, Federal Reserve Bank of Chicago (2011–2015)  
 Associate Editor, American Economic Journal: Applied Economics (2011-2013)  
 Visiting Scholar, Department of Economics, Harvard University (2010–2011)  
 Co-chair, Working Group on Loan Sanctions, Center for Global Development (2009–2010)  
 Management consultant, McKinsey & Company (1995–1997)

### **Affiliations**

National Bureau of Economic Research (NBER), Research Associate  
 Abdul Latif Jameel Poverty Action Lab (J-PAL), Affiliate  
 Bureau for Research and Economic Analysis of Development (BREAD), Fellow  
 Centre for Economic Policy Research (CEPR), Research Fellow  
 Institute for the Study of Labor (IZA), Research Fellow  
 CESifo, Research Network Fellow

### **Published and Forthcoming Papers**

- “Think Globally, Act Globally: Opportunities to Mitigate Greenhouse Gas Emissions in Low- and Middle-Income Countries,” (with R. Glennerster), Journal of Economic Perspectives 37(3), Summer 2023, pp. 112-136
- “Detecting Mother-Father Differences in Spending on Children: A New Approach Using Willingness-to-Pay Elicitation,” (with R. Dizon-Ross), forthcoming in American Economic Review: Insights
- “The Inherent Trade-Off Between the Environmental and Anti-Poverty Goals of Payments for Ecosystem Services,” Environmental Research Letters 18(2), February 2023, 025003
- “Greater than the Sum of the Parts? Evidence on Mechanisms Operating in Women’s Groups,” (with L. Diaz-Martin, A. Gopalan, and E. Guarnieri), World Bank Research Observer, 38(1), February 2023, pp. 1-35
- “Using Machine Learning and Qualitative Interviews to Design a Five-Question Survey Module for Women’s Agency,” (with M. Biradavolu and J. Cooper), World Development, vol. 161, January 2023, 106076
- “How Economic Development Influences the Environment,” Annual Review of Economics, volume 14, 2022, pp. 229-252
- “Improving Willingness-to-Pay Elicitation by Including a Benchmark Good,” (with R. Dizon-Ross), American Economic Association Papers and Proceedings, 112(5), May 2022, pp. 551–555
- “Reshaping Adolescents’ Gender Attitudes: Evidence from a School-Based Experiment in India,” (with D. Dhar and T. Jain), American Economic Review, 112(3), March 2022, pp. 899–927
- “Microentrepreneurship in Developing Countries,” Handbook of Labor, Human Resources and Population Economics, November 2021
- “Social Norms as a Barrier to Women’s Employment in Developing Countries,” IMF Economic Review, 69(3), September 2021, pp. 576–595
- “Intergenerational Transmission of Gender Attitudes: Evidence from India,” (with D. Dhar and T. Jain), Journal of Development Studies, 55(12), September 2019, pp. 2572–2592
- “Changing Family Attitudes to Promote Female Employment,” (with J. Dean), American Economic Association Papers and Proceedings, 109, May 2019, pp. 138–142

- “Self-Selection into Payments for Ecosystem Services Programs,” (with K. Jack), Proceedings of the National Academy of Sciences, 116(12), March 19, 2019, pp. 5326–5333
- “Firm Growth and Corruption: Empirical Evidence from Vietnam,” (with J. Bie, E. Malesky, and B. Olken), Economic Journal, 129, February 2019, pp. 651–677
- “The Price Effects of Cash Versus In-Kind Transfers,” (with J. Cunha and G. De Giorgi), Review of Economic Studies, 86(1), January 2019, pp. 240–281
- “The Causes and Consequences of Increased Female Education and Labor Force Participation in Developing Countries,” (with R. Heath), Oxford Handbook of Women and the Economy, eds. S. Averett, L. Argys and S. Hoffman. (New York: Oxford University Press, 2018)
- “Why Are Indian Children So Short? The Role of Birth Order and Son Preference,” (with R. Pande), American Economic Review, 107(9), September 2017, pp. 2600–2629
- “Cash for Carbon: A Randomized Trial of Payments for Ecosystem Services to Reduce Deforestation,” (with J. De Laat, E. Lambin, C. Stanton, R. Audy, and N. Thomas), Science, 357(6348), July 2017, pp. 267–273
- “Mothers Care More, But Fathers Decide: Educating Parents about Child Health in Uganda,” (with M. Björkman Nyqvist), American Economic Review Papers and Proceedings, 107(5), May 2017, pp. 496–500
- “Fertility Decline and Missing Women,” American Economic Journal: Applied Economics, 9(1), January 2017, pp. 118–139
- “Friendship at Work: Can Peer Support Catalyze Female Entrepreneurship?” (with E. Field, N. Rigol, and R. Pande), American Economic Journal: Economic Policy, 8(2), May 2016, pp. 125–153
- “The Roots of Gender Inequality in Developing Countries,” Annual Review of Economics, vol. 7, 2015, pp. 63–88
- “Governance Challenges in Education and Health Care in Developing Countries,” in S. Asefa and W.-C. Huang (eds.), The Political Economy of Good Governance, W.E. Upjohn Institute for Employment Research, 2015, pp. 93–110.
- “Does Contraceptive Use Always Reduce Breastfeeding?” Demography, 51(3), June 2014, pp. 917–937
- “Incentives to Teach Badly: After-School Tutoring in Developing Countries,” Journal of Development Economics, 108, May 2014, pp. 190–205
- “Liquidity Constraints and Deforestation: The Limitations of Payments for Ecosystem Services,” American Economic Review Papers and Proceedings, 103(3), May 2013, pp. 309–313
- “Why Do Mothers Breastfeed Girls Less Than Boys? Evidence and Implications for Child Health in India,” (with I. Kuziemko), Quarterly Journal of Economics, 126(3), August 2011, pp. 1485–1538
- “Do Traditional Institutions Constrain Female Entrepreneurship? A Field Experiment on Business Training in India,” (with E. Field and R. Pande), American Economic Review Papers and Proceedings, 100(2), May 2010, pp. 125–129
- “Modern Medicine and the 20th-Century Decline in Mortality: Evidence on the Impact of Sulfa Drugs,” (with A. Lleras-Muney and K. Smith), American Economic Journal: Applied Economics, 2(2), April 2010, pp. 118–146
- “Air Quality and Early-Life Mortality: Evidence from Indonesia’s Wildfires,” Journal of Human Resources, 44(4), Fall 2009, pp. 916–954
- “Life Expectancy and Human Capital Investments: Evidence from Maternal Mortality Declines,” (with A. Lleras-Muney), Quarterly Journal of Economics, 124(1), February 2009, pp. 349–397

“The Jeffords Effect,” Journal of Law and Economics, 49(2), October 2006, pp. 397-425

“Selling Labor Low: Wage Responses to Productivity Shocks in Developing Countries,” Journal of Political Economy, 114(3), June 2006, pp. 538-575

“Odious Debt,” (with M. Kremer), American Economic Review, 96(1), March 2006, pp. 82-92

### **Working Papers**

“Money (Not) to Burn: Payments for Ecosystem Services to Reduce Crop Residue Burning,” (with K. Jack, N. Kala, and R. Pande), August 2023

“Redesigning Payments for Ecosystem Services to Increase Cost-Effectiveness,” (with S. Izquierdo-Tort and S. Saavedra), August 2023

“Moving to Opportunity, Together” (with L. Nassal, M. Notowidigdo, M. Paul, H. Sarsons, and E. Sundberg), August 2023

“Environmental Externalities and Free-Riding in the Household,” (with K. Jack, F. Malagutti, and S. Rao), August 2023

“A Mother’s Voice: Impacts of Spousal Communication Training on Child Health Investments,” (with M. Björkman Nyqvist and C. Zipfel), August 2023

“Informing Mothers about the Benefits of Conversing with Infants: Experimental Evidence from Ghana,” (with P. Dupas, C. Falezan, and M. Walsh), May 2023

“The Mortality Effects of Winter Heating Prices,” (with J. Chirakijja and P. Ong), January 2023, conditionally accepted at Economic Journal

“Attending Kindergarten Improves Cognitive but Not Socio-Emotional Development in India,” (with J. Dean), February 2020

### **Op-Eds and Other Writing for a General Audience**

“How to Get Farmers to Not Burn Crop Residue,” (with K. Jack, N. Kala, and R. Pande), Indian Express, October 13, 2021

“Universal Paternity Leave Needs More Than New Laws for a Push,” New York Times, June 25, 2021

“Financial Rewards for College Students Could Help Curb the Pandemic,” New York Times, December 29, 2020

“Rent, Don’t Buy,” Anthropocene Magazine, Issue 5, August 2020

“Social Programs Can Sometimes Turn a Profit for Taxpayers,” New York Times, July 10, 2020

“How a Raise for Workers Can Be a Win for Everybody,” New York Times, June 18, 2020

“When a Disappointment Helped Lead to a Nobel Prize,” New York Times, November 29, 2019

“Founders of Successful Tech Companies Are Mostly Middle-Aged,” New York Times, August 29, 2019

“Why a Tax the U.S. Hasn’t Embraced Has Found Favor in Much of the World,” New York Times, May 17, 2019

“Unable to Post Bail? You Will Pay for That for Many Years,” New York Times, March 1, 2019

“Lottery-Like Prizes Coax Savings. What’s the Risk in Expanding Them?” New York Times, December 21, 2018

“Think Positive, Climb Out of Poverty? It Just Might Work,” New York Times, July 13, 2018

“Family Dynamics and Water Conservation: Evidence from Zambia,” (with K. Jack) VoxDev, April 20, 2018

- “Gender Differences in What Development Economists Study,” (with J. Daubenspeck), World Bank Development Impact Blog, March 20, 2018
- “Unwanted: 21 Million Girls,” Indian Express, February 24, 2018
- “Using the Airbnb Model to Protect the Environment,” New York Times, December 29, 2017
- “Why Public Health Insurance Could Help, Even If You Don’t Want It,” New York Times, September 29, 2017
- “Forest Conservation in Uganda: Using Financial Incentives to Avert Climate Change,” VoxDev, September 28, 2017
- “Odds Are You’re Measuring Son Preference Incorrectly,” World Bank Development Impact Blog, June 19, 2017
- “A Friend’s Support Can Make Women Better Entrepreneurs,” (with E. Field, R. Pande, and N. Rigol), HBR.org, June 2015
- “Son Preference Drives India’s High Child Malnutrition Rates,” (with R. Pande), VoxEU, May 5, 2015
- “The Impact of In-kind and Cash Transfers on Local Prices,” (with J. Cunha and G. De Giorgi), Policy in Focus, 2015, 11(1)
- “Does Economic Development Mean Less Discrimination Against Women? If Only It Were That Simple” Milken Institute Review, January 2015
- “The Youngest Is Hungriest,” (with R. Pande), New York Times, Aug. 10, 2014
- “Tell Us What You Really Think: Measuring Gender Attitudes in Haryana,” (with D. Dhar and T. Jain), Ideas for India, July 18, 2014
- “Choice Not Genes: Probable Cause for the India-Africa Child Height Gap,” (with R. Pande), Economic and Political Weekly, 48(34), August 2013, pp. 77-79
- “Cutting Down Trees for Emergency Cash: Why Access to Credit Can Make PES Programs More Effective,” Climate-Eval.org, May 13, 2013
- “Evaluating a Payments for Ecosystem Services Program in Uganda,” Climate-Eval.org, April 22, 2013
- “Loan Sanctions: A New Tool for Diplomacy?” (with M. Kremer), washingtonpost.com, Feb. 7, 2007
- “A Dictator’s Crippling Debt,” (with M. Kremer), Harvard Magazine, July 2003
- “Make Odious Debt Too Risky to Issue,” (with M. Kremer), Financial Times, May 9, 2003
- “Odious Debt,” (with M. Kremer), Brookings Review, Spring 2003
- “A World of Junk-Status States,” (with M. Kremer), Guardian, Aug. 19, 2002
- “Odious Debt,” (with M. Kremer), Finance and Development, June 2002

### Awards and Honors

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| 2022      | Named to Vox Media’s inaugural “Future Perfect 50 List” (“visionaries that have made an impact in their fields to improve lives now and in the future”)         |
| 2018      | Sustainability Science Award, Ecological Society of America (for greatest scholarly contribution on ecosystem sustainability published in the previous 5 years) |
| 2011      | Alfred P. Sloan Research Fellow   |
| 2011–2016 | National Science Foundation CAREER Award  |
| 2003      | Eliot Dissertation Completion Fellowship, Harvard University  |
| 2002      | Program on Justice, Welfare, & Economics Fellowship, Harvard University   |
| 2002      | Certificate of Distinction in Teaching, Harvard University  |
| 2001      | Social Science Research Council Fellowship  |
| 1997–2000 | National Science Foundation Graduate Fellowship (Physics)   |
| 1993–1995 | Marshall Scholar  |
| 1993      | Phi Beta Kappa  |

## Professional Service

Program Committee for AEA Annual Meetings, January 2022; NBER Summer Institute, Development Economics, July 2017, 2019-present; Econometric Society North American Winter Meeting, January 2016; Econometric Society World Congress 2015; NBER Development Program Meeting, October 2014; Econometric Society North American Winter Meeting, January 2014; AEA Annual Meetings, 2013; Econometric Society North American Summer Meeting, June 2012; BREAD Conference, Yale University, May 2012; Econometric Society North American Winter Meeting, January 2012

Co-organizer, CESifo Venice Summer Institute Workshops (Gender in the Developed and Developing World, June 2019; Malnutrition in South Asia, July 2011)

Co-organizer, Stanford Institute in Theoretical Economics Conferences (Development Economics, August 2017; Growth and Development, August 2009; Health and Economic Development, June 2006)

Mentor, Committee on the Status of Women in the Economics Profession (CSWEP) Mentoring Workshop for Junior Faculty, January 2012

Faculty instructor, J-PAL Executive Training Course (Indonesia 2008, Uganda 2012, India 2013)

University service: Program Review Committee, Northwestern, 2021-2022; Committee on Honorary Degrees, Northwestern, 2018-2021; Faculty speaker at Alumni Relations and Development events, Northwestern, 2017-2020; Advisory Board, Program on Equality Development and Globalization Studies, Northwestern, 2012-2014

Departmental service: Internationalization Planning Committee, Princeton SPIA (2022–); Applied Micro Hiring Committee, Northwestern (2011-2017; 2020-2022); Planning Committee, Northwestern (2015-2017); Ad Hoc Committee on the Graduate Program, Northwestern (2016-2017); Junior Faculty Recruiting Committee, Northwestern (2011-2014); Junior Faculty Recruiting Committee, Stanford (2007-2010), Graduate Program Committee, Stanford (2007-2008)