

ESTHER DUFLO

March 2024

Department: Economics
Massachusetts Institute of Technology
77 Massachusetts Avenue
Building E52-544
Cambridge, MA 02139

Tel: (617) 258-7013
Fax: (617) 253-1330
Email: eduflo@mit.edu

Citizenship: French and American

Education: 1999 **Ph.D. in Economics, MIT**
Thesis Title: *Three Essays in Empirical Development Economics*

1995 **Masters in Economics (DEA), DELTA (Paris)**
(joint Ecole Normale Supérieure, Ecole Polytechnique, ENSAE)

1994 **Ecole Normale Supérieure (Paris)**
Maitrise in History
Maitrise in Economics

Honors and Awards

2024 Diplôme de Docteur Honoris Causa, Université de Liège
2023 Diplôme de Docteur Honoris Causa, University of Geneva
2023 Honorary Doctor of Laws, Simon Fraser University
2023 Honorary Doctor of Laws, University of Pennsylvania
2023 Blue Metropolis Award Lumières sur les Inégalités
2022 Paul Dudley White International Lecture, American Heart Association
2022 Golden Plate Award, Academy of Achievement
2022 Committed to Caring, MIT Faculty Honoree
2021 Commander of the Legion of Honor, France
2020 Winner of "Deutscher Wirtschaftsbuchpreis," Best Business Book of the Year, sponsored by Handelsblatt, the Frankfurt Book Fair, and Goldman Sachs for "Good Economics for Hard Times", with Abhijit Banerjee
2019 Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel
2019 Stamp Memorial Lecture, London School of Economics
2019 Professor F. de Vries Lecture, Utrecht University
2019 Honorary Doctorate, Erasmus School of Economics

2018 The Gruber Distinguished Lecture in Global Justice, Yale University
 2018 The W.S. Woytinsky Lecture, University of Michigan
 2018 2018 Tanner Lecture on Human Values, University of Oxford
 2018 Sanjaya Lall Visiting Professor of Business and Development for Trinity Term
 2018, University of Oxford
 2017 Member, National Academy of Sciences
 2017 Doctor of Humane Letters *honoris causa*, Amherst College
 2017 AEA Richard T. Ely lecture, ASSA Annual Meeting
 2016 Corresponding Fellow, British Academy
 2016 2016 Fellow of the Academy, American Academy of Political and Social Science
 (AAPSS)
 2015 A.SK Social Science Award, WZB Berlin Social Science Center
 2015 Princess of Asturias Award for Social Sciences
 2015 Nomura Lecture, University of Oxford
 2015 Professeure *honoris causa*, HEC Paris
 2014 Infosys Prize in Social Sciences and Economics, Infosys Science Foundation
 2014 John von Neumann Award, University of Budapest
 2014 Erna Hamburger Prize, EPFL Wish Foundation, Ecole Polytechnique Fédérale de
 Lausanne
 2014 Hicks Lecture, Oxford University
 2014 The Albert O. Hirschman Prize 2014, The Social Science Research Council,
 received by the Abdul Latif Jameel Poverty Action Lab (J-PAL), Abhijit
 Banerjee, and Esther Duflo
 2013 Arrow Lecture, Stanford University
 2013 The Kapusckinski Lecture, UNDP/Columbia University
 2013 The Dan David Award, 2013 Laureate in Future Dimension- Preventive Medicine,
 Tel Aviv University
 2013 Doctorat *honoris causa*, Yale University
 2012 Distinguished CES Fellow 2012, Center for Economic Studies, Munich
 2012 Munich Lectures in Economics, Center for Economic Studies, Munich
 2012 The Marshall Lectures, University of Cambridge
 2012 Doctorat *honoris causa*, London Business School
 2012 The Tanner Lectures on Human Values, Harvard University
 2011 Financial Times and Goldman Sachs Business Book of the Year Award for “Poor
 Economics: A Radical Rethinking of the Way to Fight Global Poverty”, with
 Abhijit Banerjee
 2011 David N. Kershaw Award, APPAM
 2011 Medaille de l'Innovation, Centre National de la Recherche Scientifique
 2011 Thomas C. Schelling Award, Harvard Kennedy School
 2011 Fellow of the Econometric Society
 2010 John Bates Clark Medal
 2010 Doctorat *honoris causa*, Université Libre de Louvain
 2009 Prix de l'excellent économique (for the Best Economic Essay of 2009, "Lutter
 Contre la Pauvrete,," volumes I and II)
 2009 Fellow, MacArthur Foundation

- 2009 First recipient, Calvó Armengol International Prize, Barcelona Graduate School of Economics
- 2009 Fellow, American Academy of Arts and Sciences
- 2009 BBVA Foundation Frontiers of Knowledge Award for Development Cooperation
- 2008 Prix Luc Durand-Reville, by the Academie des Sciences Morale et Politiques, France
- 2008 Inaugural holder of the chair “Knowledge Against Poverty”, College de France, Paris
- 2007 – 09 Best Advisor, Graduate Economics Association, MIT
- 2006 – 09 National Institute of Health Research Grant (R01-HD39922-04A2)
- 2005 Bronze Medal, Centre National de la Recherche Scientifique
- 2005 Best Young French Economist Prize (Le Monde, Cercle des économistes)
- 2003 Nominated for the Best Young French Economist Prize (Le Monde, Cercle des économistes)
- 2003 Elaine Bennett Prize for Research
- 2002 Alfred P. Sloan Research Fellowship
- 2001 – 2009 National Institute on Child Health and Development Research Grant (R01 HD0399)
- 2001 - 2004 National Institute of Health Research Grant (R01-HD39922-01)
- 2001 - 2002 John M. Olin Faculty Fellowship, National Association of Scholars
- 2001 - 2006 Member, John D. and Catherine MacArthur Network on the Costs of Inequality
- 2000 - 2001 National Science Foundation research grant (SES-0078535)
- 1999 Review of Economic Studies Tour
- 1998 Alfred P. Sloan Doctoral Dissertation Fellowship
- 1997 Doctoral Dissertation Fellowship: Fondation Thiers pour la recherche en sciences sociales (Academie francaise)

Professional Positions:

- 2005-present Abdul Latif Jameel Professor of Poverty Alleviation and Development Economics, MIT; Co-Director, Abdul Latif Jameel Poverty Action Lab
- 2023 Chaire, Pauvreté et politiques publiques, College de France
- Sept 2017-June 2018 On Leave at the Paris School of Economics, Chaire Blaise Pascal
- Jan 2007-June 2007 On Leave at the Paris School of Economics
- 2004-2005 Professor of Economics, MIT; Director, Poverty Action Lab (MIT)
- 2002-2004 Castle Krob Career Development Associate Professor of Economics, MIT
- 2001-2002 Castle Krob Career Development Assistant Professor of Economics, MIT, on leave at Princeton University
- 1999-2001 Assistant Professor of Economics, MIT

Editorial Responsibilities:

- 2017-2022 Editor, *American Economic Review*
- 2007-2014 Board of Editors, *Annual Review of Economics*
- 2007-2016 Founding Editor, *The American Economic Journal: Applied Economics*
- 2007 Member of Program Committee, American Economic Association Meetings

2007	Member of Program Committee, European Economic Association Meetings
2005– 2007	Co-editor, <i>Review of Economics and Statistics</i>
2004– 2006	Co-editor, <i>Journal of Development Economics</i>
2004–2007	Associate Editor, <i>Journal of Economic Perspectives</i>
2002–2006	Associate Editor, <i>Review of Economics and Statistics</i>
2002–2006	Associate Editor, <i>Journal of the European Economic Association</i>
2004	Member of Program Committee, Econometric Society 9 th World Congress
2004	Member of Program Committee, Econometric Society Annual Meeting
2003	Member of Program Committee, European Economic Association Annual Meeting

Other Professional Activities:

President of the Board, Paris School of Economics
 Member, Tamil Nadu Economic Advisory Council
 Governing Council, KREA University
 Founding Board Chair, Fonds d’Innovation pour le développement (French Government)
 Director, Development Program at the Center for Economic Policy Research (CEPR)
 Research Associate at the National Bureau of Economic Research (NBER)
 Board Member, Bureau for Research and Economic Analysis of Development (BREAD)
 2019 - *present* Research Advisory Council, Y Analytics
 2018 - *present* Advisory Board Member, UBS Center
 2014 – 2017 Board Member, Global Investment Fund (GIF)
 2012 – 2017 Member, The President’s Global Development Council

Publications and Forthcoming Articles:

Books :

2023. Expérience, science et lutte contre la pauvreté (presque) quinze ans apres, Collection du Collège de France/Fayard
2023. Imai A la rescousse, Le Seuil, Paris
2023. Imeuni et Tsongai La belle affaire !, Le Seuil, Paris
2023. Les Rêves de Nilou, Le Seuil, Paris
2023. Seleni Pas touche au potager!, Le Seuil, Paris
2023. Thumpa À l'ombre des arbres, Le Seuil, Paris
2022. Afia Qui saura la guérir ?, Le Seuil, Paris
2022. Bibir Un coup de pouce pour la sorcière, Le Seuil, Paris

2022. Neso et Najy Même pas peur de la grande ville !, Le Seuil, Paris
2022. Nilou Fini l'école buissonnière ! Le Seuil, Paris
2022. Oola En avant les élections ! Le Seuil, Paris
2019. Good Economics for Hard Times, with Abhijit Vinayak Banerjee, Public Affairs.
2017. Handbook of Field Experiments, Vol.1 and 2, with Abhijit Vinayak Banerjee, North-Holland (an imprint of Elsevier).
2011. Poor Economics : A Radical Rethinking of the Way to Fight Global Poverty, with Abhijit V. Banerjee, Public Affairs. Published in 17+ languages
2010. Le Développement Humain (Lutter contre la pauvreté, volume 1), Paris: Le Seuil.
2010. La politique de l'autonomie (Lutter contre la pauvreté, volume 2), Paris: Le Seuil.
2009. Expérience, science et lutte contre la pauvreté, Paris: Fayard.

Journals:

“Generic Machine Learning Inference on Heterogeneous Treatment Effects in Randomized Experiments, with an Application to Immunizations in India” (with Victor Chernozhukov, Mert Demirer and Ivan Fernandez-Val), forthcoming, *Econometrica* (see NBER working paper 30618)

“Effects of Cognitive Behavioral Therapy and Cash Transfers on Older Persons Living Alone in India: A Randomized Trial (with Abhijit Banerjee, Erin Grela, Madeline McKelway, Frank Schilbach, Miriam Sequeira, Garima Sharma, and Girija Vaidyanathan). *Annals of Internal Medicine*. April 2023.

“Depression and Loneliness among the Elderly in Low- and Middle-Income Countries” (with Abhijit Banerjee, Erin Grela, Madeline McKelway, Frank Schilbach, Garima Sharma, and Girija Vaidyanathan). *Journal of Economic Perspectives*, Vol. 3, No.2, Spring 2023.

“The impact of large-scale social media advertising campaigns on COVID-19 vaccination: Evidence from two randomized controlled trials (with Lisa Ho et al.), November 2022. Forthcoming, *AEA Papers & Proceedings* (see NBER working paper 30618)

“Changes in Social Network Structure in Response to Exposure to Formal Credit Markets” (with Abhijit Banerjee, Emily Breza, Arun G. Chandrasekhar, Matthew O. Jackson and Cynthia Kinnan), November 2021. forthcoming, *Review of Economic Studies* (see NBER working paper 28365).

“Small mobile conditional cash transfers (mCCTs) of different amounts, schedules and design to improve routine childhood immunization coverage and timeliness of children aged 0-23 months in Pakistan: An open label multi-arm randomized controlled trial” (with Subhash Chandir, Danya Arif Siddiqi, Sara Abdullah, Aamir Javed Khan and Rachel Glennerster), *eClinicalMedicine*, June 2022, <https://doi.org/10.1016/j.eclinm.2022.101500>

"End COVID-19 in Low- and Middle-Income Countries" (with Mushfiq Mobarak, Edward Miguel, Jason Abaluck, A. Ahuja, Marcella Alsan, Abhijit Banerjee, Arun Chandrasekhar, Esther Duflo, J. Dzansi, D. Garrett, and others.) *Science* 375 (6585): 1195-1110, March 10, 2022 <https://www.science.org/doi/10.1126/science.abo4089>

“Development Economics”, The Future of Human Behaviour Research. *Nature Human Behaviour*, January 2022. <https://doi.org/10.1038/s41562-021-01275-6>

“Long-term Effects of the Targeting the Ultra Poor Program” (with Abhijit Banerjee, and Garima Sharma), *American Economic Review: Insights*, December 2021 (see NBER working paper 28074)

“Effects of a large-scale social media advertising campaign on holiday travel and COVID-19 infections: a cluster randomized controlled trial” (with Emily Breza, Fatima Cody Stanford, Marcella Alsan, Burak Alsan, Abhijit Banerjee, Arun G. Chandrasekhar, Sarah Eichmeyer, Traci Glushko, Paul Goldsmith-Pinkham, Kelly Holland, Emily Hoppe, Mohit Karnani, Sarah Liegl, Tristan Loisel, Lucy Ogbu-Nwobodo, Benjamin A. Olken, Carlos Torres, Pierre-Luc Vautrey, Erica T. Warner, and Susan Wootton), *Nature Medicine*, August 2021, DOI 10.1038/s41591-021-01487-3

“Effect of Physician-Delivered COVID-19 Public Health Messages and Messages Acknowledging Racial Inequity on Black and White Adults’ Knowledge, Beliefs, and Practices Related to COVID-19” (with Carlos Torres, Lucy Ogbu-Nwobodo, Marcella Alsan, Fatima Cody Stanford, Abhijit Banerjee, Emily Breza, Arun G. Chandrasekhar, Sarah Eichmeyer, Mohit Karnani, Tristan Loisel, Paul Goldsmith-Pinkham, Benjamin A. Olken, Pierre-Luc Vautrey, Erica Warner), *JAMA Network Open*, July 2021

“Improving Police Performance in Rajasthan, India: Experimental Evidence on Incentives, Managerial Autonomy and Training” (with Abhijit Banerjee, Raghavendra Chattopadhyay, Daniel Keniston and Nina Singh), *American Economic Journal: Economic Policy*, Vol. 13, No. 1, February 2021. (See NBER Working Paper No. 17912, CEPR Discussion Paper No. 8869, BREAD Working Paper No. 324).

“Comparison of Knowledge and Information-Seeking Behavior After General COVID-19 Public Health Messages and Messages Tailored for Black and Latinx Communities :A

Randomized Controlled Trial” (with Marcella Alsan, Fatima Cody Stanford, Abhijit Banerjee, Emily Breza, Arun G. Chandrasekhar, Sarah Eichmeyer, Paul Goldsmith-Pinkham, Lucy Ogbu-Nwobodo, Benjamin A. Olken, Carlos Torres, Anirudh Sankar, Pierre-Luc Vautrey) , *Annals of Internal Medicine*, December 2020.

“E-Governance, Accountability, and Leakage in Public Programs: Experimental Evidence from a Financial Management Reform in India” (with Abhijit Banerjee, Clement Imbert, Santhosh Mathew and Rohini Pande), *American Economic Journal: Applied Economics*, vol. 12, no. 4, October 2020 (see NBER working paper 22803, CEPR working paper 11761 and BREAD working paper 494)

“Field Experiments and the Practice of Policy”, *American Economic Review*, Volume 110, No. 7, July 2020 (Revised version of 2019 Nobel Lecture).

“On the Road: Access to transportation infrastructure and economic growth in China” (with Abhijit Banerjee and Nancy Qian), *Journal of Development Economics*, Volume 145, June 2020. (see NBER Working Paper 17897, CEPR Discussion Paper 8874, BREAD Working Paper 325).

“HIV prevention among youth: A randomized controlled trial of voluntary counseling and testing for HIV and male condom distribution in rural Kenya” (with Pascaline Dupas, Thomas Ginn, Grace Makana Barasa, Moses Baraza, Victor Pouliquen, Vandana Sharma), *Plos ONE*, July 2019

“Using Gossips to Spread Information: Theory and Evidence from Two Randomized Controlled Trials” (with Abhijit Banerjee, Arun G. Chandrasekhar and Matthew O. Jackson), *The Review of Economics Studies*, February 2019. (see NBER working paper 20422)

“The Value of Regulatory Discretion: Estimates from Environmental Inspections in India” (with Michael Greenstone, Rohini Pande and Nicholas Ryan), *Econometrica*, November 2018, Volume 86, Issue 6. (see NBER Working Paper No. 20590, Becker Friedman Institute for Research in Economics Working Paper No. 2014-07)

“How Much do Existing Borrowers Value Microfinance? Evidence from an Experiment on Bundling Microcredit and Insurance” (with Abhijit Banerjee and Richard Hornbeck), *Economica*, Volume 85, Issue 340, October 2018 (see NBER working paper 20477).

“Can Iron Fortified Salt Control Anemia? Evidence from Two Experiments in Rural Bihar” (with Abhijit Banerjee and Sharon Barnhardt), *Journal of Development Economics*, Volume 133, July 2018.

“Double/Debiased Machine Learning of Treatment and Structural Parameters” (with Victor Chernozhukov, Denis Chetverikov, Mert Demirer, Christian Hansen, Whitney Newey and James Robins), *The Econometrics Journal*, Vol. 21, Issue 1, February 2018

“NAITRE study on the impact of conditional cash transfer on poor pregnancy outcomes in underprivileged women: protocol for a nationwide pragmatic cluster-randomised superiority clinical trial in France” (with Marc Bardou, Bruno Crépon, Anne-Claire Bertaux, Aurélie

Godard-Marceaux, Astrid Eckman-Lacroix, Elise Thellier, Frédérique Falchier, Philippe Deruelle, Muriel Doret, Xavier Carcopino-Tusol, Thomas Schmitz, Thiphaine Barjat, Mathieu Morin, Franck Perrotin, Ghada Hatem, Catherine Deneux-Tharoux, Isabelle Fournel, Laurent Laforet, Nicolas Meunier-Beillard, and Isabelle Le Ray), *BMJ Open*, 2017.

“From Proof of Concept to Scalable Policies: Challenges and Solutions, with an Application” (with Abhijit Banerjee, Rukmini Banerji, James Berry, Harini Kannan, Shobhini Mukerji, Marc Shotland, and Michael Walton), *Journal of Economic Perspectives*, Vol. 31, Number 4, fall 2017 (see NBER working paper 22931, CEPR working paper 11762 and BREAD working paper 495)

"Cognitive Science in the field: A preschool intervention durably enhances intuitive but not formal mathematics" (with Moira R. Dillon, Harini Kannan, Joshua T. Dean, and Elizabeth S. Spelke), *Science*, Vol. 357, Issue 6346, July 2017.

“Double/Debiased/Neyman Machine Learning of Treatment Effects” (with Victor Chernozhukov, Denis Chetverikov, Mert Demirer, Christian Hansen, and Whitney Newey), , *American Economic Review Papers and Proceedings*, 107(5): 261-65. May 2017.

“Richard T. Ely Lecture: The Economist as Plumber”, *American Economic Review*, 107(5): 1-26. May 2017. (see NBER working paper 23213, CEPR working paper and BREAD working paper 504)

“Up in Smoke: The Influence of Household Behavior on the Long-Run Impact of Improved Cooking Stoves” (with Rema Hanna and Michael Greenstone), *American Economic Journal: Economic Policy*, 8(1): 80-114, February 2016. (see NBER working paper No.18033, BREAD working paper 338).

“Education, HIV and Early Fertility: Experimental Evidence from Kenya” (with Pascaline Dupas and Michael Kremer), *American Economic Review*, Vol 105, No. 9, September 2015. (See NBER Working Paper No. 20784, CEPR Discussion Paper 8680, BREAD Working Paper).

“Turning a Shove into a Nudge? A "Labeled Cash Transfer" for Education” (with Najy Benhassine, Florencia Devoto, Pascaline Dupas, and Victor Pouliquen), *American Economic Journal: Economic Policy*, Vol 7, No. 3, August 2015. (see NBER Working Paper No. 19227).

“A multifaceted program causes lasting progress for the very poor: Evidence from six countries” (with Abhijit Banerjee, Nathanael Goldberg, Dean Karlan, Robert Osei, William Parienté, Jeremy Shapiro, Bram Thuysbaert, and Christopher Udry) , *Science Magazine*, Vol. 348, No. 6236, May 2015.

“School Governance, Teacher Incentives, and Pupil-Teacher Ratios: Experimental Evidence from Kenyan Primary Schools” (with Pascaline Dupas and Michael Kremer), *Journal of Public Economics*, Vol. 123, pp. 92-110, March 2015. (see also NBER working paper No. 17939, BREAD working paper 330)

“The Miracle of Microfinance? Evidence from a Randomized Evaluation” (with Abhijit Banerjee, Rachel Glennerster and Cynthia Kinnan), *American Economic Journal: Applied Economics*, Vol. 7, No. 1, (pp.22-53), January 2015 (see NBER Working Paper No.18950, CEPR Discussion Paper No. 7696, BREAD Working Paper 379).

“Estimating the impact of microcredit on those who take it up: Evidence from a randomized experiment in Morocco” (with Bruno Crepon, Florencia Devoto, William Pariente), *American Economic Journal: Applied Economics*, Vol. 7, No. 1, (pp.123-50), January 2015 (see NBER working paper 20144, BREAD working paper 416)

“Under the Thumb of History? Political Institutions and the Scope for Action” (with Abhijit Banerjee), *Annual Review of Economics*, Vol. 6, August 2014. (see NBER Working Paper No.19848, BREAD Working Paper 411).

“Bundling Health Insurance and Microfinance in India: There Cannot Be Adverse Selection if There is No Demand” (with Abhijit Banerjee and Richard Hornbeck), *American Economic Review: Papers and Proceedings 2014*, 104(5):1-7, May 2014

“(Dis)organization and Success in an Economics MOOC” (with Abhijit Banerjee), *American Economic Review*, Vol 104, No.5, 514–518, May 2014.

“Do Firms Want to Borrow More: Testing Credit Constraints Using a Targeted Lending Program,” (with Abhijit Banerjee), *The Review of Economic Studies (2014) 81 (2): 572-607*, April 2014

“Truth-telling by Third-party Auditors and the Response of the Polluting Firms: Experimental Evidence from India” (with Michael Greenstone, Rohini Pande and Nicholas Ryan), *Quarterly Journal of Economics*, 128:4, October 2013: pp. 1449-1498. (also see NBER working paper No. 19259)

“The Diffusion of Microfinance” (with Abhijit Banerjee, Arun G. Chandrasekhar, Matthew O. Jackson), *Science Magazine*, Vol. 341, no. 6144, July 2013. (see also NBER working paper No.17743)

“Marry for What? Caste and Mate Selection in Modern India” (with Abhijit Banerjee, Maitreesh Ghatak, and Jeanne Lafortune), *American Economic Journal: Microeconomics 2013*, 5(2): 33–72, May 2013.

“What Does Reputation Buy? Differentiation in a Market for Third-party Auditors,” with Rohini Pande, Michael Greenstone and Nicholas Ryan, *American Economic Review*, May 2013, Vol.103 (3).

“Do Labor Market Policies Have Displacement Effects? Evidence from a Clustered Randomized Experiment” (with Bruno Crépon, Marc Gurgand, Roland Rathelot and Philippe Zamora). *The Quarterly Journal of Economics*, Vol. 128 (2): 531-580, January 2013 (also see NBER Working Paper No. 18597, CEPR Discussion Paper No. 7512).

“Women Empowerment and Economic Development”, *Journal of Economic Literature*, Vol. 50, No. 4: 1051-79, December 2012. (also see NBER Working Paper No. 17702, 2011; CEPR Discussion Paper 8734, BREAD Policy Paper 29, 2011).

“Happiness on Tap: Piped Water Adoption in Urban Morocco” (with Florencia Devoto, Pascaline Dupas, William Pariente, Vincent Pons), *American Economic Journal: Economic Policy*, Vol.4 No. 4: 68-99, November 2012. (see NBER Working Paper No. 16933, CEPR Discussion Paper No. 8326, BREAD Policy Paper 23).

“Incentives Work: Getting Teachers to Come to School,” (with Rema Hanna and Stephen Ryan), *American Economic Review*, June 2012, 102(4): 1241-78 (also see NBER Working Paper No. 11880, 2005; BREAD Working Paper No. 103, CEPR Discussion Paper 6682, November 2007).

“Female Leadership Raises Aspirations and Educational Attainment for Girls: A Policy Experiment in India” (with Lori Beaman, Rohini Pande and Petia Topalova), *Science Magazine*, Vol. 335 no. 6068, February 2012.

“Nudging Farmers to Use Fertilizer: Evidence from Kenya” (with Michael Kremer and Jonathan Robinson), *American Economic Review* 101 (6): 2350-2390, October 2011. (also see NBER Working Paper No. 15131, CEPR Discussion Paper 7402, BREAD discussion paper 233).

“Balancing Growth with Equity: The View from Development”, *Federal Reserve Bank of Kansas City Economic Policy Symposium 2011 volume*.

“Peer Effects and the Impacts of Tracking: Evidence from a Randomized Evaluation in Kenya” (with Pascaline Dupas and Michael Kremer), *American Economic Review*, 101(5): 1739-74, August 2011 (also see CEPR Working Paper No. 7043 and NBER Working Paper No. 14475).

“Being Surveyed Can Change Later Behavior and Related Parameter Estimates,” (with Alix Peterson Zwane, Jonathan Zinman, Eric Van Dusen, William Pariente, Clair Null, Edward Miguel, Michael Kremer, Dean Karlan, Richard Hornbeck, Xavier Giné, Florencia Devoto, Bruno Crepon and Abhijit Banerjee), *Proceedings of the National Academy of Sciences of the United States of America*, February 1, 2011.

“Long Run Impacts of Income Shocks: Wine and Phylloxera in 19th Century France,” (with Abhijit Banerjee, Gilles Postel-Vinay, and Tim Watts), *The Review of Economics and Statistics*, Vol. 92 (4):714-728, November 2010.

“Improving Immunization Coverage in Rural India: A Clustered Randomized Controlled Evaluation of Immunization Campaigns with and without Incentives,” (with Abhijit Banerjee, Rachel Glennerster, and Dhruva Kothari), *British Medical Journal*, 2010;340:c2220.

“Giving Credit Where it is Due,” (with Abhijit Banerjee), *Journal of Economic Perspectives*, Vol. 24(3): 61-79, Summer 2010.

“Pitfalls of Participatory Programs: Evidence from a randomized evaluation in education in India” (with Abhijit Banerjee, Rukmini Banerji, Rachel Glennerster, Stuti Khemani), *American Economic Journal: Economic Policy*, Vol. 2 (1): 1-30, February 2010. (also see CEPR working paper No. DP6781).

“Powerful Women: Does Exposure Reduce Bias?” (with Lori Beaman, Raghavendra Chattopadhyay, Rohini Pande and Petia Topalova), *Quarterly Journal of Economics*, Vol. 124(4): 1497-1540, November 2009. (also see CEPR Working Paper No. 6922, NBER Working paper No. 14198).

“The Experimental Approach to Development Economics,” (with Abhijit Banerjee), *Annual Review of Economics*, Vol. 1: 151-178, September 2009. (also see CEPR working paper No. DP7037, NBER working paper No. 14467).

“Cooking Stoves, Indoor Air Pollution and Respiratory Health in Rural Orissa, India” (with Rema Hanna and Michael Greenstone), *Economic and Political Weekly*, Vol. 43, No. 32, August 2009

“What is Middle Class about the Middle Classes around the World?” (with Abhijit Banerjee), *Journal of Economic Perspectives* 22(2), pp. 3-28, Spring 2008. (See also CEPR Working Paper No. 6613, BREAD Working Paper No. 163).

“Mandated Empowerment: Handing Antipoverty Policy Back to the Poor?” (with Abhijit Banerjee), *Annals of the New York Academy of Sciences*, Volume 1136, June 2008, Reducing the Impact of Poverty on Health and Human Development: Scientific Approaches.

“How High are Rates of Return to Fertilizer? Evidence from Field Experiments in Kenya” (with Michael Kremer and Jonathan Robinson). *American Economics Review*, Vol. 98 (2): 482-88, May 2008.

“Indoor Air Pollution, Health and Economic Well-being” (with Michael Greenstone and Rema Hanna), *Surveys and Perspectives Integrating Environment and Society*, Issue 1: 1-9, February 2008.

“Putting Band Aid on a Corpse: Incentives for Nurses in the Indian Public Health Care System” (with Abhijit Banerjee and Rachel Glennerster). *Journal of the European Economic Association*, Vol. 6(2-3), pp. 487-500, 2007.

“The Economic Lives of the Poor” (with Abhijit Banerjee), *Journal of Economic Perspectives*, 21(1): 141-167, Winter 2007.

“Can Informational Campaigns Raise Awareness and Local Participation in Primary Education” (with Abhijit Banerjee, Rukmini Banerji, Rachael Glennerster, Daniel Keniston, Stuti Khemani, and Mark Shotland), *Economic and Political Weekly*, 42(15): 1365-1372, April 14, 2007.

“Dams” (with Rohini Pande), *Quarterly Journal of Economics*, 122(2):601-646, 2007 (see also NBER Working Paper No. 11711, 2005; BREAD Working Paper No. 100, 2005).

“Remedying Education: Evidence from Two Randomized Experiments in India,” (with Abhijit Banerjee, Shawn Cole, and Leigh Linden), *Quarterly Journal of Economics*, 122(3):1235-1264, August 2007 (see also NBER Working Paper No. 11904, 2005; BREAD Working Paper No. 109).

“Saving Incentives for Low- and Middle-Income Families: Evidence from a Field Experiment with H&R Block,” (2007 Certificate of Excellence, TIAA-CREF Institute), (with William Gale, Jeffrey Liebman, Peter Orszag, and Emmanuel Saez), *Quarterly Journal of Economics*, 121(4):1311-1346, November 2006 (see also NBER Working Paper No. 11680, 2005).

“Addressing Absence,” (with Abhijit Banerjee), *Journal of Economic Perspectives* 20(1): 117-132, 2006 (also see BREAD Policy Paper No. 008, 2005).

“Why Political Reservations” *Journal of the European Economic Association* 3(2-3): 668-678, April-May 2005.

“What Do Banks (Not) Do?” (with Abhijit Banerjee), *Economic and Political Weekly* 39(38): 4212-4213, 2004.

“Women as Policy Makers: Evidence from a Randomized Policy Experiment in India,” (with Raghavendra Chattopadhyay), *Econometrica* 72(5): 1409-1443, 2004 (also see NBER Working Paper No. 8615; BREAD Working Paper No. 001, 2001).

“The Medium Run Consequences of Educational Expansion: Evidence from a Large School Construction Program in Indonesia,” *Journal of Development Economics* 74(1): 163-197, 2004 (also see BREAD Working Paper No. 002, 2001).

“How Much Should We Trust Difference in Differences Estimates?” (with Sendhil Mullainathan and Marianne Bertrand), *Quarterly Journal of Economics* 119(1): 249-275, 2004.

“Health Care Delivery in Rural Rajasthan,” (with Abhijit Banerjee and Angus Deaton), *Economic and Political Weekly* 39(9): 944-949, 2004.

“The Impact of Reservation in the Panchayati Raj: Evidence from a Nationwide Randomized Experiment,” (with Raghavendra Chattopadhyay), *Economic and Political Weekly* 39(9): 979-986, 2004.

“Wealth, Health, and Health Services in Rural Rajasthan,” (with Abhijit Banerjee and Angus Deaton), *AER Papers and Proceedings* 94(2): 326-330, 2004.

“The Role of Information and Social Interactions in Retirement Plan Decisions: Evidence from a Randomized Experiment,” (with Emmanuel Saez), *Quarterly Journal of Economics* 118(3): 815-842, 2003.

“Inequality and Growth: What Can the Data Say?” (with Abhijit Banerjee), *Journal of Economic Growth* 8: 267-299, 2003.

“Grandmothers and Granddaughters: Old Age Pension and Intra-household Allocation in South Africa,” *World Bank Economic Review* 17(1): 1-25, 2003.

“The (Mis)allocation of Capital,” (with Abhijit Banerjee and Kaivan Munshi), *Journal of the European Economic Association* 1(2-3): 484-494, 2003 (also see BREAD Working Paper No. 006, 2002).

“Participation and Investment Decisions in a Retirement Plan: The Influence of Colleagues’ Choices,” (with Emmanuel Saez), *Journal of Public Economics* 85(1): 121-148, 2002.

“Schooling and Labor Market Consequences of School Construction in Indonesia: Evidence from an Unusual Policy Experiment,” *American Economic Review* 91(4): 795-813, 2001.

“Reputation Effects and the Limits of Contracting: A Study of the Indian Software Industry,” (with Abhijit Banerjee), *Quarterly Journal of Economics* 115(3): 989-1017, 2000.

“Child Health and Household Resources: Evidence from the South African Old-Age Pension Program,” *American Economic Review: Papers and Proceedings* 90(2): 393-398, 2000.

“Early Reaction of Russian Firms to the Shocks of Liberalization,” (with Claudia Senik-Leygonie), *The Economics of Transition*, March 1997.

Chapters in Books:

“Field Experiments: Correspondence Studies” (with Marianne Bertrand), Handbook on Economics of Discrimination and Affirmative Action, 2023, edited by A. Deshpande, Springer Nature Singapore Pte Ltd.

“Improving Health Care Delivery in India” (with Abhijit Banerjee), Development, Distribution and Markets, 2021, edited by Kaushik Basu, Maitreesh Ghatak, Kenneth Kletzer, Sudipto Mundle, and Eric Verhoogen, Oxford University Press.

“The influence of randomized controlled trials on development economics research and development policy” (with Abhijit Banerjee and Michael Kremer), The State of Economics, The State of the World, 2019, edited by Kaushik Basu, David Rosenblatt and Claudia Sepulveda, MIT Press.

“An Introduction to the "Handbook of Field Experiments"” (with Abhijit Banerjee) and “Field Experiments on Discrimination” (with Marianne Bertrand), Handbook of Field Experiments, Vol.1 and 2, with Abhijit Vinayak Banerjee, North-Holland (an imprint of Elsevier), 2017.

“Movies, Margins and Marketing: Encouraging the Adoption of Iron Fortified Salt” (with Abhijit Banerjee and Sharon Barnhardt), Insights in the Economics of Aging, 2017, edited by David A. Wise (NBER), University of Chicago Press.

“The experimental approach to development economics” (with Abhijit Banerjee), Field Experiments and Their Critics: Essays on the Uses and Abuses of Experimentation in the Social Sciences. 2014, edited Dawn Langan Teele, Yale University Press

“Comparative Cost-Effectiveness Analysis to Inform Policy in Developing Countries: A General Framework with Applications for Education” (with Iqbal Dhaliwal, Rachel Glennerster and Caitlin Tulloch), Education Policy in Developing Countries, 2013, edited by Paul Glewwe, University of Chicago Press

“Nutrition, Iron Deficiency Anemia and the Demand for Iron-Fortified Salt: Evidence from an Experiment in Rural Bihar” in Discoveries in the Economics of Aging, (with Abhijit Banerjee and Sharon Barnhardt), 2014, David A. Wise (ed.), University of Chicago Press.

“Is Decentralized Iron Fortification a Feasible Option to Fight Anemia Among the Poorest?” in Explorations in the Economics of Aging, (with Abhijit Banerjee and Rachel Glennerster), 2011, David A. Wise (ed.), University of Chicago Press.

“Political Reservation and Substantive Representation: Evidence from Indian Village Councils”, with Lori Beaman, Rohini Pande and Petia Topalova, *India Policy Forum*, 2010, Ed. Suman Bery, Barry Bosworth and Arvind Panagariya, Brookings Institution Press and The National Council of Applied Economic Research: Washington, DC and New Delhi, Vol. 7.

“Aging and Death Under a Dollar a Day” in Research Findings in the Economics of Aging (with Abhijit Banerjee), 2010, David A. Wise (ed.), University of Chicago Press, (also see NBER Working Paper Series 13683).

“Mandated Empowerment. Handing Antipoverty Policy Back to the Poor?” in Reducing the Impact of Poverty on Health and Human Development” (with Abhijit Banerjee), 2008, *Annals of New York Academic Sciences* Vol.1136, pp.333-341.

“Using Randomization in Development Economics Research: A Toolkit” (with Rachel Glennerster, and Michael Kremer) in T. Paul Schultz, and John Strauss (eds.) Handbook of Development Economics, Elsevier Science Ltd.: North Holland, 2007 Vol. 4, pp. 3895-62. (see also NBER Technical Working Paper No. 333, December 2006).

“Field Experiments in Development Economics,” in Richard Blundell, Whitney Newey, Torsten Persson, (eds.), Advances in Economics and Econometrics: Theory and Applications, Ninth World Congress, Cambridge University Press: 2006, Vol. 2(42): 322-348 (see also BREAD Policy Paper No. 002, 2005).

“Poor but Rational?” in Abhijit Banerjee, Dilip Mookherjee and Roland Benabou (eds.) Understanding Poverty, New York: Oxford University Press, March 2006, 367-78.

“Use of Randomization in the Evaluation of Development Effectiveness.”(with Michael Kremer) in George Pitman, Osvaldo Feinstein and Gregory Ingram (eds.) Evaluating Development Effectiveness. New Brunswick, NJ: Transaction Publishers 2005, pp. 205-232.

“Egalité des sexes et développement” in Christine Otrrent, (ed.)“le livre noir de la condition des Femmes”, Paris: XO editions, 2006.

“Growth Theory through the Lens of Development Economics,” (with Abhijit Banerjee), in Steve Durlauf and Philippe Aghion, (eds.),Handbook of Economic Growth, Elsevier Science Ltd.-North Holland: 2005, Vol. 1A, pp. 473-552.

“Bank Financing in India,” (with Abhijit Banerjee and Shawn Cole) in Wanda Tseng and David Cowen, (eds.), India’s and China’s Recent Experience with Reform and Growth, Palgrave Macmillan: Hampshire, UK, 2005; New York, 2006, pp. 138-157.

“Banking Reform in India,” (with Shawn Cole and Esther Duflo) in Suman Bery, Barry Bosworth and Arvind Panagariya, (eds.), India Policy Forum, 1, Brookings Institution Press and The National Council of Applied Economic Research: Washington, DC and New Delhi, 2005, pp. 277-332 (see also BREAD Policy Paper No. 006, 2004).

“The Role of Employers’ Plan Features, Information, and Social Interactions on Retirement Savings: Evidence from the Literature and Proposed Experiments,” (with Emmanuel Saez), in Olivia Mitchell and Stephen Utkus, (eds.), Pension Design and Structure: New Lessons from Behavioral Finance, University of Pennsylvania Press: Philadelphia, 2004.

“Scaling Up and Evaluation,” in Francois Bourguignon and Boris Pleskovic, (eds.), Accelerating Development, World Bank and Oxford University Press: Washington, DC and Oxford, 2004, pp. 342-367.

Published Reviews and Comments:

(*Comment*) on "Requiescat in Pace? The Consequences of High Priced Funerals in South Africa" in *Explorations in the Economics of Aging*, David A. Wise, editor, University of Chicago Press, 2011.

(*Comment*) on Hanson, Gordon, “Globalization, Labor Income, and Poverty in Mexico”, pp 417-452, in *Globalization and Poverty*, Ann Harrison, Editor, University of Chicago Press, 2007.

(*Comment*) Jensen, Robert, “Caste, Culture and the Status of the Well-Being of Widows in India,”*Analyses in the Economics of Aging*, 10:357-373, Edt. David Wise, University of Chicago Press: June 2005.

(*Review*) Fields, Gary, “Distribution and Development: A New Look at the Developing World,” *Journal of Economic Literature* 41(3): 937-938, 2003.

(Review) Glewwe, Paul, “The Economics of School Quality Investments in Developing Countries: An Empirical Study of Ghana,” *Journal of Economic Literature* 39(3): 927-929, 2001.

Working Papers:

“Street smart or school smart? The arithmetic skills of working children in two Indian cities” (with Abhijit V. Banerjee, Swati Bhattacharjee, Raghavendra Chattopadhyay, Alejandro J. Ganimian, Kailash Rajah, and Elizabeth S. Spelke). 2024 (Revise and resubmit, *Nature*)

“Chat Over Coffee? Diffusion of Agronomic Practices and Market Spillovers in Rwanda”, (with Daniel Keniston, Tavneet Suri and Céline Zipfel). May 2023 (see NBER and CEPR working paper)

“Depression and Loneliness Among the Elderly Poor”, (with Abhijit Banerjee, Erin Grela, Madeline McKelway, Frank Schilbach, Garima Sharma, and Girija Vaidyanathan). December 2022 (see NBER working paper 30330)

“Blue Spoons: Sparking Communication About Appropriate Technology Use”, (with Arun G. Chandrasekhar, Michael Kremer, João Pugliese, Jonathan Robinson and Frank Schilbach). August 2022 (see NBER Working Paper 30423)

“Doctors' and Nurses' Social Media Ads Reduced Holiday Travel and COVID-19 Infections: A Cluster Randomized Controlled Trial” (with Emily Breza, Fatima Cody Stanford, Marcella Alsan, Burak Alsan, Abhijit Banerjee, Arun G. Chandrasekhar, Sarah Eichmeyer, Traci Glushko, et al.). July 2021 (see NBER working paper 29021)

“The Impact of Free Secondary Education: Experimental Evidence from Ghana”, (with Pascaline Dupas and Michael Kremer), June 2021 (see NBER working paper 28937)

“Selecting the Most Effective Nudge: Evidence from a Large-Scale Experiment on Immunization”, (with Abhijit Banerjee, Arun G. Chandrasekhar, Suresh Dalpath, John Floretta, Matthew O. Jackson, Harini Kannan, Francine Loza, Anirudh Sankar, Anna Schrimpf, and Maheshwor Shrestha), April 2021. (see NBER working paper 28726 , CEPR working paper 16084)

“Messages on Covid-19 Prevention in India Increased Symptoms Reporting and Adherence to Preventative Behaviors among 25 Million Recipients with Similar Effects on Non-Recipient Members of their Communities”, (with Abhijit Banerjee, Marcella Alsan, Emily Breza, Arun G. Chandrasekhar, Abhijit Chowdhury, Paul Goldsmith-Pinkham, Benjamin A. Olken), July 2020. (see NBER working paper 27496)

“In Praise of Moderation: Suggestions for the Scope and Use of Pre-Analysis Plan for RCTs in Economics”, with Abhijit Banerjee, Amy Finklestein, Lawrence F. Katz, Benjamin A. Olken, Anja Sautmann. April 2020 (see NBER working paper 26993)

“Can Microfinance Unlock a Poverty Trap for Some Entrepreneurs?” (with Abhijit Banerjee, Emily Breza and Cynthia Kinnan), September 2019 (see NBER working paper 26346)

“The Efficient Deployment of Police Resources: Theory and New Evidence from a Randomized Drunk Driving Crackdown in India”, (with Abhijit Banerjee, Daniel Keniston, and Nina Singh) August 2019. (see NBER working paper 26224)

“Verifying the internal validity of a flagship RCT: A review of Crépon, Devoto, Duflo and Parienté”: A rejoinder” (with Bruno Crépon, Florencia Devoto, and William Parienté), June 2019.

“The Long-Term Impacts of a "Graduation" Program: Evidence from West Bengal”, with Abhijit Banerjee, Raghavendra Chattopadhyay, and Jeremy Shapiro), September 2016.

“Mainstreaming an Effective Intervention: Evidence from Randomized Evaluations of "Teaching at the Right Level" in India”, (with Abhijit Banerjee, Rukmini Banerji, James Berry, Harini Kannan, Shobhini Mukherji, Marc Shotland and Michael Walton), August 2016. (see NBER working paper 22746, CEPR working paper 11530, and BREAD working paper 492)

“Field Experiments on Discrimination” (with Marianne Bertrand), January 2016 (see NBER working paper 22014, CEPR working paper 11123)

“Toilets Can Work: Short and Medium Run Health Impacts of Addressing Complementarities and Externalities in Water and Sanitation” (with Michael Greenstone, Raymond Guiteras, Thomas Clasen), September 2015. (see NBER Working Paper No. 21521)

“Gossip: Identifying Central Individuals in a Social Network” (with Abhijit Banerjee, Arun Chandrasekhar and Matthew O. Jackson), July 2015. (see NBER working paper 0422 , CEPR working paper, BREAD Working paper 425)

“On the Road: Access to Transportation Infrastructure and Economic Growth in China” (with Abhijit Banerjee and Nancy Qian), February 2012. (see NBER Working Paper No. 17897, CEPR Discussion Paper No. 8874, BREAD Working Paper No. 325).

“Giving Credit Where it is Due” (with Abhijit Banerjee), March 2010 (see CEPR Discussion Paper 7754, BREAD Policy Paper 20).

“Peer Effects, Teacher Incentives, and the Impact of Tracking: Evidence from a Randomized Evaluation in Kenya,” (with Pascaline Dupas and Michael Kremer). (see CEPR Discussion Paper 7043, Publication November 2008, revised October 2009).

“The Experimental Approach to Development Economics” (with Abhijit Banerjee), November 2008. (see CEPR Discussion Paper 7037, BREAD Working Paper 196)

“Efficiency and Rent Seeking in Local Government,” (with Greg Fischer), MIT Mimeo 2007.

“What Is Middle Class about the Middle Classes Around the World?” (with Abhijit V. Banerjee) December 2007, (BREAD Working Paper No. 163).

“The Impact of Education on Fertility and Child Mortality: Do Fathers Really Matter Less Than Mothers?” (with Lucia Breierova), NBER Working Paper No. 10513, 2004.

“Intrahousehold Resource Allocation in Cote d’Ivoire: Social Norms, Separate Accounts, and Consumption Choices,” (with Christopher Udry), NBER Working Paper No. 10498, May 2004; BREAD Working Paper No. 016, 2003