

REMA HANNA

Harvard Kennedy School
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ACADEMIC POSITIONS

Harvard Kennedy School, Jeffrey Cheah Professor of South-East Asia Studies (January 2016 – Present)

Previous Positions:

- University of Zurich, Department of Economics, Visiting Faculty (Fall 2015)
- Harvard Kennedy School
 - Associate Professor of Public Policy (January 2012 – June 2015)
 - Assistant Professor of Public Policy (July 2008 – December 2011)
- Columbia University, Department of Economics, Visiting Scholar (Fall 2011)
- NYU Wagner Graduate School of Public Service and Department of Economics
 - Assistant Professor of Public Policy and Economics (September 2005 – June 2008)

EDUCATION

Massachusetts Institute of Technology, Ph.D., Economics (September 2005)

Cornell University, B. S. Policy Analysis, with Honors and Distinction (May 1999)**PUBLICATIONS IN ECONOMICS**

1. “Making a Deal with the Devil: Experimental Evidence on Bureaucratic Reform in India,” with Iqbal Dhaliwal, NBER Working Paper w20482, accepted at the **Journal of Development Economics**.
2. “Tangible Information and Citizen Empowerment: Identification Cards and Food Subsidy Programs in Indonesia,” with Abhijit Banerjee, Jordan Kyle, Ben Olken, and Sudarno Sumarto, (older version in NBER Working Paper w20923), accepted at the **Journal of Political Economy**.
3. “The Design of Anti-Poverty Programs,” with Dean Karlan, forthcoming in the **Handbook of Field Experiments**.
4. “Implications of Climate Change for Children in Developing Countries,” with Paulina Oliva, **Future of Children** Issue on Climate Change, Spring 2016.
5. “Network Structure and the Aggregation of Information: Theory and Evidence from Indonesia,” with Vivi Alatas, Abhijit Banerjee, Arun Chandraskhar, and Ben Olken, NBER Working Paper w18351, **American Economic Review**, July 2016.
6. “Up in Smoke: The Influence of Household Behavior on the Long-Run Impact of Improved Cooking Stoves,” with Esther Duflo and Michael Greenstone, **American Economic Journal: Economic Policy**, February 2016.
7. “Self-Targeting: Evidence from a Field Experiment in Indonesia,” with Vivi Alatas, Abhijit Banerjee, Ben Olken, Ririn Purnamasari, and Matthew Wai-Poi, **Journal of Political Economy**, April 2016.

8. "Does the Effect of Pollution on Infant Mortality Differ Between Developing and Developed Countries? Evidence from Mexico City," with Eva Arceo and Paulina Oliva, **Economic Journal**, January 2016.
9. "Moving up the Energy Ladder: The Effect of a Permanent Increase in Assets on Fuel Consumption Choices in India," with Paulina Oliva, **American Economic Review Papers and Proceedings**, May 2015.
10. "The Effect of Pollution on Labor Supply: Evidence from a Natural Experiment in Mexico City," with Paulina Oliva, **Journal of Public Economics**, February 2015.
11. "Environmental Regulations, Air and Water Pollution, and Infant Mortality in India," with Michael Greenstone, **American Economic Review**, October 2014.
12. "Learning by Noticing: Theory and Experimental Evidence in Farming," with Sendhil Mullainathan and Josh Schwartzstein, **Quarterly Journal of Economics**, June 2014.
13. "Corruption," with Abhijit Banerjee and Sendhil Mullainathan, **Handbook of Organizational Economics**, Princeton University Press, 2013.
14. "Discrimination in Grading," with Leigh Linden, **American Economic Journal: Economic Policy**, November 2012.
15. "Incentives Work: Getting Teachers to Come to School," with Esther Duflo and Stephen Ryan, **American Economic Review**, June 2012.
16. "Targeting the Poor: Evidence from a Field Experiment in Indonesia," with Vivi Alatas, Abhijit Banerjee, Julia Tobias, and Ben Olken, **American Economic Review**, June 2012.
17. "U.S. Environmental Regulation and FDI: Evidence from a Panel of U.S. Based Multinational Firms," **American Economic Journal: Applied Economics**, July 2010.
18. "The Impact of Inspections on Plant-Level Air Emissions," with Paulina Oliva, **Berkeley Electronic Press Journals**, March 2010.
19. "Affirmative Action: Evidence from College Admissions in India," with Marianne Bertrand and Sendhil Mullainathan, **Journal of Public Economics**, February 2010.
20. "Obtaining a Driving License in India: An Experimental Approach to Studying Corruption," with Marianne Bertrand, Simeon Djankov, and Sendhil Mullainathan, **Quarterly Journal of Economics**, November 2007.

WORKING PAPERS IN ECONOMICS

1. "Dishonesty and Selection into Public Service in India," with Shing-Yi Wang, NBER Working Paper w19649, second round resubmitted at the **American Economic Journal: Economic Policy**.
2. "Debunking the Stereotype of the Lazy Welfare Recipient: Evidence from Cash Transfer Programs Worldwide," with Abhijit Banerjee, Gabriel Kreindler, and Ben Olken, revision resubmitted at the **World Bank Research Observer**.
3. "Does Elite Capture Matter? Local Elites and Targeted Welfare Programs in Indonesia," with Vivi Alatas, Abhijit Banerjee, Ben Olken, Ririn Purnamasari, and Matthew Wai-Poi, NBER Working Paper w18798.

"Contracting out the Last-Mile of Service Delivery Subsidized Food Distribution in Indonesia," with Abhijit Banerjee, Jordan Kyle, Ben Olken, and Sudarno Sumarto, submitted.

PUBLISHED POLICY ARTICLES AND REPORTS

1. "Targeting the Poor: Evidence from a Field Experiment in Indonesia," with Vivi Alatas, Abhijit Banerjee, Ben Olken, Ririn Purnamasari, and Matthew Wai-Poi, *3ie Report*, July 2013.
2. "The Effectiveness of Anti-Corruption Policy: What has worked, what hasn't, and what we don't know," with Sarah Bishop, Sara Nadel, Gabe Scheffler, and Katherine Durlacher, *DFID Systematic Review*, June 2011.
3. "Petty Corruption in Public Services: Driving Licenses in Delhi, India," with Marianne Bertrand, Simeon Djankov, and Sendhil Mullainathan, in the *Transparency International Global Corruption Report*, 2008.
4. "Cooking Stoves, Indoor Air Pollution and Respiratory Health in Rural Orissa, India," with Esther Duflo and Michael Greenstone, *Economic and Political Weekly*, August 2008.
5. "Indoor Air Pollution, Health and Productivity," with Esther Duflo and Michael Greenstone, *Surveys and Perspectives Integrating Environment and Society*, February 2008.
6. "Corruption in Driving Licenses in Delhi," with Marianne Bertrand, Simeon Djankov, and Sendhil Mullainathan, *Economic and Political Weekly*, February 2008.

OPINION PIECES

1. "Improved cooking stoves in India: Evaluating long-run impacts," with Esther Duflo, Michael Greenstone, and Claire Walsh, *Ideas for India*, July 2016.
2. "Forschungslücke" with Alexandra Spitz-Oener and Rajshri Jayaraman, *Sueddeutsche Zeitung*, July 2016.
3. "Strengthening Safety Nets for the Poor," with Ben Olken, *Jakarta Post*, January 2016.
4. "Cash Transfers to Indonesia's Poor Don't Discourage Work," with Ben Olken, *Jakarta Globe*, October 2015.
5. "Has Environmental Regulation Been Successful in India?" with Michael Greenstone, *Ideas for India*, July 2012.
6. "Clean Cookstoves Must be Rethought so They Actually Get Used in the Developing World," with Esther Duflo, Michael Greenstone, and Radha Muthiah, *National Geographic News Watch*, June 2012.
7. (Book Review) "Impact Evaluation in Practice," *Journal of Economic Literature*, Sept 2011.
8. "Do Teachers Discriminate Against Minorities in India?" with Leigh Linden, *VOX*, Sept 2009.
9. (Book Review) "When Things Fall Apart," *Journal of Economic Literature*, June 2009.
10. "Can Improved Stoves Improve Health?" *Indian Express*, May 12, 2009.

"Reservations: Gains at a Cost," with Marianne Bertrand, Sendhil Mullainathan, and Sudha Krishnan. *Mint* (Wall Street Journal, India), April 14, 2008.

GRANTS AND FELLOWSHIPS

- 2016 Star Family Challenge (Harvard), IADB, Saudi Grant (Harvard)
- 2015 Saudi Pilot Grant (Harvard), AidData, KOICA
- 2014 Weiss Grant, IGC Pilot Grant
- 2012 Australian Government
- 2011 JPAL Governance Grant; Milton Grant (Harvard); Indonesia Center Grant (Harvard)
- 2010 3ie Open Window; USAID Development Innovation Ventures; Children Investment Fund Foundation; JPAL Bridge Funding; DFID Systematic Review; Harvard Center for Population and Development Studies; Science Sustainability Grant (Harvard); World Bank
- 2009 Spencer Small Grant; Mind, Brain and Behavior Grant (Harvard); South Asia Center Grant (Harvard); Asia Center Grant (Harvard)
- 2008 Science Sustainability Post-Doc Fellowship
- 2007 Russell Sage Small Grants in Behavioral Economics; NYU Curricular Development Challenge Fund
- 2006 Lincoln Institute of Land Policy; Taub Center (NYU); IFC; Research Challenge Fund (NYU)
- 2003 MIT Laboratory for Energy and the Environment
- 2000 National Science Foundation Fellowship Recipient

PROFESSIONAL ACTIVITIES

Co-Director, **Evidence for Policy Design, Harvard University**, January 2016 to present
Co-Editor, **Journal of Human Resources**, July 2015 to present
Board, **Review of Economic Studies**, July 2015 to present
Associate Editor, **Review of Economics and Statistics**, June 2012 to present

Scientific Co-Director, **J-PAL South East Asia**, December 2012 to present

- Raised \$5.7 million from the Australian Government for core support, research funding, student fellowships, and training activities
- Launched on June 25th, 2013, with keynote lecture by President Susilo Bambang Yudhoyono

Other Affiliations: CEPR, NBER, Weatherhead (Harvard), IZA, BREAD

Selected Service:

North American Winter Meeting of the Econometric Society, Program Committee, 2017
NBER EEE Meetings, Co-Organizer, Spring 2016
PEDL grants committee, 2015
WESSI Alumni Workshop at NYU Florence, Mentor, September 2015
CeMENT- CSWEP Mentoring Workshops, Mentor, Jan 2015
NEUDC, Program Committee, 2010, 2011, 2013, 2014, 2015, 2016
Latin American and Caribbean Economic Association Meetings, Program Committee, 2010
Kennedy School Faculty Seminar, Organizer, Spring 2010
Harvard-MIT Development Seminar, Organizer, September 2008 – May 2010

Selected Refereeing:

Journal of Environmental Economics and Management, Journal of Development Economics, Energy for Sustainable Development, The Economic Journal, The International Economic Journal, Journal of Public Economics, Journal of Human Resources, Review of Economics and Statistics, Journal of the European Economic Association, Quarterly Journal of Economics, Journal of Development Studies, National Science Foundation, Journal of Comparative Economics, American Economic Journal: Economic Policy, American Economic Journal: Applied Economics, Global Development Network, Southern Economic Journal, CUNY Fellowship Program, Economic Development and Cultural Change, Economics of Governance, Economic Journal Conference Volume, American Economic Review, Journal of Labor Economics, Labour Economics, Bulletin of Indonesian Economic Studies, Review of Economic Studies, Environmental and Resources Economics, BE Press Journals, Transparency International, 3ie, World Bank Economic Review

PHD STUDENTS WITH INITIAL PLACING

Marta Vicarelli (pre-doc supervisor, letter-writer): University of Mass Amherst (Post-doc at Yale)
Robyn Meeks (committee): University of Michigan School of Natural Resources and Environment
Arturo Aguilar (committee): ITAM
Maggie Triyana (pre-doc supervisor, letter-writer): NTU (Post-doc at Stanford)
Elizabeth Walker (chair): NERA, Environmental Group
Mahnaz Islam (committee): Amazon
Jordan Kyle (letter-writer): Post-doc at IFPRI
Joey Neggars (committee): Post-doc at Brown

TEACHING

Degree Courses:

Program Evaluation	Masters	University of Zurich
Second Year Policy Analysis	MPA/ID	Harvard Kennedy School
Econometrics	MPP	Harvard Kennedy School
Development Economics and Policy	MPA/ID	Harvard Kennedy School
Development Economics	MPA	New York University
Statistical Methods	MPA	New York University
Development Economics	PhD(Economics)	New York University
Program Evaluation (Taught in Ghana)	MPA	New York University

Non-Degree Courses:

- Innovative Leadership in the Age of Data: Pakistan, July 2016
- Asian Development Bank: Thailand, August 2012; Philippines, August 2014
- Harvard Executive Education:
 - Climate Change and Energy, Sept 2016
 - Young Global Leaders, 2014
 - Indonesia Center, 2012, 2013
 - Analysis and Management of Energy and Environmental Policy, 2013
- Harvard University Development Bootcamp, April 2012
- AMID Summer School (Namur): An Introduction to Field Surveys: June 2009
- International Finance Corporation: Program Evaluation: May 2007
- JPAL: Randomized Evaluation: July 2006 (India), July 2007 (India), June 2008 (Indonesia), July 2008 (India), July 2009 (India), July 2010 (India), May 2011 (MIT), Jan 2015 (Indonesia)

SELECTED MEDIA

- Debunking the Stereotype of the Lazy Welfare Recipient: Evidence from Cash Transfer Programs Worldwide: Featured in the [New York Times](#) (10/15)
- Tangible Information and Citizen Empowerment: Identification Cards and Food Subsidy Programs in Indonesia: Featured in [The Economist](#) (12/13)
- Dishonesty and Selection into Public Service in India: Featured in over 20 venues including [Bloomberg](#) (11/13), [LA Times](#) (11/13), [Times of India](#) (11/13), [The Telegraph](#) (11/13), [Slate Magazine Blog](#) (11/13)
- Ordeal Mechanisms in Targeting: Evidence from a Field Experiment in Indonesia: Featured in the World Bank Development Impact Blog (7/13)
- South East Asia Launch Event: Featured in a variety of print and televised sources, including [The Jakarta Post](#), (7/13) and [The Jakarta Globe](#) (7/13)
- Environmental Regulations, Air and Water Pollution, and Infant Mortality in India: Featured in: [New York Times India Ink](#) (11/11), [Rediff](#) (9/12), Business Daily of the BBC (12/11)
- Up in Smoke: The Long Run Impacts of Improved Cooking Stoves: Featured in numerous venues including [Foreign Policy](#), (9/12), [Forbes India](#) (7/12), [Hindustan Times](#) (7/12), [Bloomberg Views](#) (5/12), [The Washington Post](#) (4/12), [The Economist](#) (4/12), [New York Times India Ink](#) (4/12), [Boston Globe](#) (4/12), [Center for Global Development: Views from the Center](#) (4/12), [Washington Post](#) (4/12), [Nature](#) (5/14), [Nature Editorial](#) (5/14), [Washington Post](#) (10/15)

- Targeting the Poor: Evidence from a Field Experiment in Indonesia: Featured in [Handelsblatt](#) (1/12)
- Incentives Work: Getting Teachers to Come to School: Featured in numerous news outlets including [New York Times Opinionator](#) (1/12), [Slate Magazine](#) (1/08), [The Times of India](#) (1/06), [The Telegraph](#), (1/06), [The Economist](#) (7/05), [The Indian Express](#) (3/04), [Forbes](#) (6/06), [New York Times](#) (12/10), [The Washington Times](#) (7/09), [Boston Review](#) (3/07), [Boston Globe](#) (7/06)
- Affirmative Action: Evidence from College Admissions in India: Featured in [Business Standard](#) (4/08), [Business Standard](#) (4/08)
- Making a Deal with the Devil: Experimental Evidence on Bureaucratic Reform in India: Featured in [India Blooms](#) (12/11), [Hindustan Times](#) (12/11)
- Discrimination in Grading: [Education Week](#) (11/09)
- Obtaining a Driving License in India: An Experimental Approach to Studying Corruption: Featured in [NPR](#) (4/10), [Los Angeles Times](#) (9/06), [Slate](#) (6/06), [Indian Express](#) (10/06), [Economic Times](#) (2/08), [Here and Now](#) (WBUR, 11/10)

SELECTED INVITED LECTURES AND CONFERENCES

- 2016 Stanford; Georgetown University; University of Illinois; NUS (Singapore); JPAL Public Sector Management Conference (Delhi); University of Zurich; Participation in Vietnam's Regulatory Design Process: A Policy Evaluation Workshop (Vietnam); Sunway University (Malaysia); Khazanah Nasional (Malaysia); World Bank Office Malaysia; IMF Capacity Building Seminar: Enhancing Social Spending in Support of Inclusive Growth in Asia (Sri Lanka); Barcelona GSE (Spain); DFAT Indonesia Office
- 2015 AEA; University of Indonesia; Bocconi University School of Management (Italy); CEMFI (Madrid); Central European University (Budapest); NYU Wagner; College of William and Mary; Berkeley Public Policy; Columbia SIPA; Conference on Corruption at the Stockholm School of Economics; Trinity College Dublin; Maynooth University (Dublin); University of Mannheim; Frankfurt; ETH (Zurich); Humboldt University of Berlin; UPF (Barcelona); Harvard Asia Center
- 2014 AEA; George Washington School of International Affairs; Boston College; Boston University School of Management; University of Connecticut; Heidelberg; WZB Workshop (Berlin); Yale Workshop on Adoption of Household Energy Products; Harvard India Conference; University of Zurich; Hong Kong Baptist University; Sunway University (Malaysia); Michigan; Vienna Center for Experimental Economics Workshop; Wharton; LSE; UC Santa Barbara, USC
- 2013 Harvard Public Economics; Berkeley Economics; Stockholm; World Bank Latin America Group; World Bank DIME; High Level Policy Dialogue (Indonesia); LPEM at University of Indonesia; Harvard India Conference; Columbia University; Consortium for Energy Policy Research Seminar (Harvard); JPAL Policy Workshop (Indonesia); Pontificia Universidad Catolica de Chile; JPAL Policy Workshop (Chile); Berkeley ARE; University of Toronto; Hunter College; Brandeis; Poverty Reduction, Equity, and Growth Network

Young Keynote Lecture; Warwick; World Bank Research Group; Harvard Saudi Conference

- 2012 AEA Meetings; University of Michigan; LSE/UCL; University of Amsterdam; UC San Diego; NBER Environment and Health Care Meetings; Science Sustainability Program at Harvard; Universitat Pompeu Fabra; Northeast Energy and Environment Conference (Cornell); IGC Conference (Bangladesh); IPA Conference (Thailand); JPAL USI Conference (Sri Lanka); NBER Labor SI; IGC Political Economy Meetings; Southern Methodist University; Yale University; Northwestern; Harvard Environmental Seminar; Boston University; University of Washington Seattle; Brookings Institute
- 2011 University of California, Berkeley; George Washington University; University of Virginia; Harvard Population Center; USAID (Delhi); University of Indonesia (Keynote Speaker at conference on impact evaluation); J-PAL/TNP2K Conference (co-organizer)
- 2010 HBS Strategy Conference (discussant); NBER Summer Institute (discussant for Environmental Meetings); Universidad de Los Andes (Colombia); Cornell University; Brown University; CEPR Development Meetings Pre-Conference; APPAM (discussant); Workshop on Environment and Development, UC Santa Barbara; Williams College; International Growth Conference (Delhi, India)
- 2009 Survey Design and Measurement Conference (World Bank); International Growth Conference (Columbia); Northeastern Conference in Resource and Environmental Economics (at Columbia/Discussant); NBER Education Meetings (Stanford); Harvard Business School Strategy Conference (Discussant); Harvard Kennedy School Faculty Seminar; 16th BREAD Conference on Development Economics (London School of Economics); Harvard-MIT Development Seminar; Namur (Belgium); Bocconi University School of Management (Italy); World Bank Research Group
- 2008 University of Maryland; World Bank/IZA Conference on Employment and Development (Morocco); Institute for International Economic Studies, Stockholm; Kennedy School of Government, Harvard University
- 2007 International Finance Corporation Conference on Results Management for Technical Assistance (Delhi, India); Conference on Corruption (Madrid); 11th BREAD Conference on Development Economics (London School of Economics); Labor Markets in Transition and Developing Economies: Emerging Policy and Analytical Issues (U. Michigan); Bureau of Economic Analysis; IFC Conference on Results Measurement for Technical Assistance, Washington D.C.
- 2006 Rutgers University, Department of Economics; World Bank Session on Randomized Experiments to Understand Corruption (Jakarta, Indonesia); Bocconi University School of Management (Italy); Universitat Pompeu Fabra (Spain); IFC Conference on Results Measurement for Technical Assistance (Cairo, Egypt); Conference on Migration, NYU Africa House (Discussant); University of Maryland, Public Policy; Steinhardt School of Education, NYU; Department of Economics Yale; NEUDC 2006 (Ithaca, New York); Wagner Research Colloquium, NYU; IFC Conference on Results Measurement for Technical Assistance; 8th Bread Conference on Development Economics (Cornell); World

Bank PREM Conference 2006; Berkeley Economics Development Seminar; American Economic Association Meetings, "Empirics of Corruption"

2005 NBER Conference on the Indian Economy; NYU Department of Economics; Institutions, Development and Transition, CEPR and BREAD (Istanbul, Turkey); 4th Asian Corporate Governance Conference (Seoul, Korea); 3rd Annual University of California Trade and Environmental Economics Workshop (UCSB); University of Maryland, Agricultural Economics; Board of Governors; Brown University; Dartmouth College; University of Notre Dame; Tufts University; Claremont McKenna; University of Chicago Harris School of Public Policy; NYU Wagner School of Public Service; University of Central Florida; London School of Economics

2004 MIT-Harvard Environmental Seminar; Columbia University