



THE WORLD BANK

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Development Economics

ABCDE 2016

Data and Development Economics

JUNE 20–21, 2016

Washington, DC ♦ World Bank ♦ Preston Auditorium



Practical Information

VENUE

Preston Auditorium

World Bank Headquarters | Main Complex

1818 H Street, NW, Washington, DC, 20433

The Conference

REGISTRATION AND SECURITY

Registration will open at 8 a.m. on Monday, June 20, 2016.

For security reasons, all visitors to the World Bank are required to pass through a metal detector and all visitors' bags are X-rayed.

On arrival at the World Bank, please enter through the main entrance of the Main Complex (1818 H Street, NW). There will be a security guard and signage to guide you. As you pass through security, you will be directed to the ABCDE registration tables (after the metal detectors). Here you will register and pick up your World Bank visitor's pass (which will grant you access to World Bank buildings until 6 p.m. on June 21), as well as a conference badge and materials.

For non-Bank/IMF staff, visitor's passes are mandatory.

CONFERENCE MATERIALS

Session papers will be available on the ABCDE website <http://www.worldbank.org/abcde2016>. Hard copies will not be provided.

INTERNET ACCESS

There is free Wi-Fi available at the Bank. To obtain the password, please visit the ABCDE registration desk.

BREAKFAST AND LUNCH

Breakfast will be served on Monday, June 20 and Tuesday, June 21, 2016 from 8:00–9:00 am in Preston Lobby.

Lunch will be served on Monday, June 20, 2016 in James D. Wolfensohn Atrium, and on Tuesday, June 21, 2016 in Preston Lounge.

MONEY

Foreign Exchange Facilities: Bank-Fund Staff Federal Credit Union (BFSFCU) is a full service bank and is located in the World Bank's Main Complex (Room MC C2-300).

ATM machines are located in all Bank building lobbies. More information is available at the registration desk.

MONDAY, JUNE 20, 2016

Preston Auditorium

08:00 – 09:00 Registration and Breakfast

09:00 – 09:15 Opening Address

Kaushik Basu (Senior Vice President and Chief Economist, Development Economics, World Bank)

09:15 – 10:15 Keynote Address 1: “Big Data and Economic Measurement: What a Billion Prices say about Inflation and Exchange Rates?”

CHAIR: Haishan Fu (Director, Development Data Group, World Bank)

SPEAKER: Roberto Rigobón (Massachusetts Institute of Technology, United States)

10:15 – 10:30 Coffee

10:30 – 12:30 Sessions 1A–1D

Session 1A: Poverty and Inequality in High and Low Definition

ROOM MC 6-100

CHAIR: Francisco Ferreira (World Bank)

- » “Poverty in HD: What Does High Resolution Satellite Imagery Reveal about Economic Welfare?”
Ryan Engstrom (George Washington University, United States), **Jonathan Hersh** (Boston University, United States), and David Newhouse (World Bank)
- » “Is Inequality Underestimated in Egypt? Evidence from House Prices”
Roy van der Weide, Christoph Lakner, and Elena Ianchovichina (World Bank)
- » “Curbing Leakage in Public Programs with Direct Benefit Transfers Evidence from India’s Fuel Subsidies and Black Markets”
Prabhat Barnwal (Michigan State University, United States)
- » “Intrahousehold Inequalities and Poverty in Senegal”
Philippe De Vreyer (Université Paris-Dauphine and DIAL, France) and **Sylvie Lambert** (Paris-School of Economics-INRA, France)

DISCUSSANT: Vijayendra Rao (World Bank)

Session 1B: Data for Development

ROOM MC 7-100

CHAIR: Amparo Ballivian (World Bank)

- » “Mind the Gap: Analyzing the Impact of Data Gap in Millennium Development Goals’ (MDGs) Indicators on the Progress towards MDGs”

Arun Jacob (United Nations Conference on Trade and Development, UNCTAD and The Graduate Institute of International and Development Studies, Switzerland)

- » “Is Living in African Cities Expensive?”

Shohei Nakamura, Rawaa Harati, Somik V. Lall, Yuri M. Dikhanov, Nada Hamadeh, William Vigil Oliver, Marko Olavi Rissanen, and Mizuki Yamanaka (World Bank)

- » “The ABCDE of Big Data: Assessing Biases in Call-detail Records for Development Estimates”

Gabriel Pestre (Data-Pop Alliance, United States), **Emmanuel Letouzé** (Data-Pop Alliance, United States), and Emilio Zagheni (University of Washington, United States)



Session 1C: Adoption of Agricultural Technology and Fertilizers

ROOM MC 8-100

CHAIR: Melissa Johns (World Bank)

- » “The Crop Connection: Impact of Cell Phone Access on Crop Choice in Rural Pakistan”

Saheer Asad (Lahore University of Management Sciences, Pakistan)

- » “Identifying Early Adopters, Enhancing Learning, and the Diffusion of Agricultural Technology”

Kyle Emerick (Tufts University, United States), Alain de Janvry (University of California, Berkeley, United States), Elisabeth Sadoulet (University of California, Berkeley, United States), and Manzoor H. Dar (International Rice Research Institute)

- » “Coffee Price Volatility and Intra-household Labour Supply: Evidence from Vietnam”

Ulrik Beck (University of Copenhagen, Denmark), **Saurabh Singhal** (UNU-WIDER, Finland), and Finn Tarp (University of Copenhagen and UNU-WIDER)

DISCUSSANT: Daniel Ayalew Ali (World Bank)



Session 1D: Development, Colonial Rule, Ethnic Diversity and Genes

ROOM MC 9-100

CHAIR: Albert Zeufack (World Bank)

- » “Subnational Diversity in Sub-Saharan Africa: Insights from a New Dataset”
Boris Gershman and **Diego Rivera** (American University, United States)
- » “Decentralized Despotism: How Indirect Colonial Rule Undermines Contemporary Democratic Attitudes”
Marie Lechler (Munich Graduate School of Economics, Germany) and Lachlan McNamee (Stanford University, United States)
- » “Where Local Kings Rule: Long-Term Impacts of Precolonial Institutions and Geography on Access to Public Infrastructure Services in Nigeria”
Belinda Archibong (Barnard College, United States)
- » “Development Given Geography, Climate, and Genes”
Robert Klitgaard (Claremont Graduate University, United States), Johannes W. Fedderke (Pennsylvania State University, United States), and Valerio Napolioni (Stanford University, United States)

DISCUSSANT: Rishabh Sinha (World Bank)

12:30 – 14:00 Lunch | JAMES D. WOLFENSOHN ATRIUM

Preston Auditorium

14:00 – 15:00 Keynote Address 2: “Machine Learning and Development”

CHAIR: William Maloney (World Bank)

SPEAKER: Sendhil Mullainathan (Harvard University, United States)

15:00 – 15:15 Coffee

15:15 – 17:15

Sessions 2A–2D

Session 2A: Survey and Administrative Data: Big and Small

ROOM MC 6-100

CHAIR: Tariq Khokhar (World Bank)

- » “Understanding Non-Response Rates: Insights from 600,000 Opinion Surveys”
Germán Reyes (World Bank)
- » “What are the Limitations of Survey Data versus Administrative Data in Impact Evaluation? The Case of an SMS Campaign”
César Huaroto (Universidad de Los Andes, Argentina), Andrea Cornejo (Columbia University, United States), and Luis Baiocchi (Ministry of Education of Peru, Peru)
- » “Call Me Maybe: Experimental Evidence on Using Mobile Phones to Survey African Microenterprises”
Robert Garlick (Duke University, United States), Kate Orkin and Simon Quinn (University of Oxford, United Kingdom)
- » “Asymmetric Information and Remittances: Evidence from Matched Administrative Data”
Thomas Joseph (IIM Udaipur, India), Yaw Nyarko (New York University, United States), and **Shing-Yi Wang** (Wharton, United States)

DISCUSSANT: Katie Simmons (Pew Research Center)**Session 2B: Trade, E-Trade, and Networks**

ROOM MC 7-100

CHAIR: Deepak Mishra (World Bank)

- » “The Adoption of Network Goods: Evidence from the Spread of Mobile Phones in Rwanda”
Daniel Björkegren (Brown University, United States)
- » “The Alibaba Effect: Spatial Consumption Inequality and the Welfare Gains from e-Commerce”
Jingting Fan (University of Maryland, United States), Lixin Tang (Shanghai University, China), Weiming Zhu (University of Maryland, United States), and Ben Zou (Michigan State University, United States)

- » “Foreign Rivals are Coming to Town: Responding to the Threat of Foreign Multinational Entry”
Cathy Ge Bao and **Maggie X. Chen** (George Washington University, United States)
- » “Determinants of Informal Trade: The Case of Benin”
Sami Bensassi (University of Birmingham, United Kingdom), **Joachim Jarreau** (University of Paris-Dauphine, France), and Cristina Mitaritonna (CEPII, France)



Session 2C: Training and Managerial Skills

ROOM MC 8-100

CHAIR: Caio Piza (World Bank)

- » “The Dynamics of Inter-Firm Skill Transmission among Kenyan Microenterprises”
Wyatt Brooks, **Kevin Donovan**, and Terence R. Johnson (University of Notre Dame, United States)
- » “Long-Term Direct and Spillover Effects of Vocational Training: Experimental Evidence from Colombia”
Adriana Kugler (Georgetown University, United States), Maurice Kugler (IMPAQ International LLC, United States), Juan Saavedra (University of Southern California, United States), and Luis Omar Herrera Prada (Inter-American Development Bank)
- » “Short and Longer Run Impacts of Kaizen Management Training: The Case in Tanzania”
Yuki Higuchi (Nagoya City University, Japan) and Tetsushi Sonobe (National Graduate Institute for Policy Studies, Japan)

DISCUSSANT: Paulo Bastos (World Bank)

Session 2D: Crime, Civil Wars, and Hotspots

ROOM MC 9-100

CHAIR: Yujin Jeong (American University, United States)

- » “Adverse Rainfall Shocks and Civil War: Myth or Reality”
Ricardo Maertens (Universitat Pompeu Fabra, Spain)
- » “Bandits on Patrol: An Analysis of Petty Corruption on West African Roads”
Toni Oki (University of Cambridge, United Kingdom)
- » “Identifying Crime Hotspots Using Mobile Phone Data: Bogota: a Case Study”
Andrey Bogomolov (University of Trento, Italy), Andrés Clavijo (Data Pop Alliance, United States), Gabriel Pestre (Data Pop Alliance, United States), Joan Serrà (Telefónica Barcelona, Spain), Natalie Shoup (Data Pop Alliance, United States), Alvaro Ramirez Suarez (Telefónica Colombia, Colombia), **Emmanuel Letouzé** (Data Pop Alliance, United States), Bruno Lepri (University of Trento, Italy), and Nuria Oliver (Telefónica Barcelona, Spain)
- » “Second Stage Sampling for Conflict Areas: Methods and Implications”
Kristen Himelein (World Bank), **Stephanie Eckman** (RTI International), Siobhan Murray (World Bank), and Johannes Bauer (University of Munich, Germany)

DISCUSSANT: Julian Jamison (World Bank)

TUESDAY, JUNE 21, 2016

Preston Auditorium

08:00 – 09:00 Registration and Breakfast

09:00 – 10:00 Keynote Address 3: “Thick Description in Empirical Economics”

CHAIR: Asli Demirgüç-Kunt (Director, Development Research Group, World Bank)**SPEAKER: Jonathan Morduch** (New York University, United States)

10:00 – 10:15 Coffee

10:15 – 12:15 Sessions 3A–3D

Session 3A: Banking, Financial Inclusion and Borrower Data

ROOM MC 6-100

CHAIR: Tatiana Didier (World Bank)

- » “The Global Findex Database 2014 Measuring Financial Inclusion around the World”
Asli Demirgüç-Kunt, **Leora Klapper**, Dorothe Singer, and Peter Van Oudheusden (World Bank)
- » “Purchase Patterns, Socioeconomic Status, and Political Inclination”
Xiaowen Dong (MIT Media Lab, United States), Eaman Jahani (MIT Media Lab, United States), Alfredo Morales-Guzman (MIT Media Lab and New England Complex Systems Institute, United States), Burçin Bozkaya (Sabanci University, Turkey), Bruno Lepri (MIT Media Lab and Fondazione Bruno Kessler), and Alex ‘Sandy’ Pentland (MIT Media Lab, United States)
- » “Banking with Agents: Experimental Evidence from Senegal”
Sinja Buri (IFC), **Robert Cull** (World Bank), Xavier Giné (World Bank), and Sven Harten (IFC)
- » “Show Me Yours and I’ll Show You Mine: Sharing Borrower Information in a Competitive Credit Market”
Jaap Bos (Maastricht University, The Netherlands), Ralph De Haas (EBRD and Tilburg University, The Netherlands), and **Matteo Millone** (VU University Amsterdam, The Netherlands)

DISCUSSANT: Martin Cihak (International Monetary Fund)

Session 3B: Political Power, Media, and Favoritism

ROOM MC 7-100

CHAIR: Claudia Sepulveda (World Bank)

- » “Politics, Government-Controlled Media, and Women’s Fertility Preferences: Evidence from India”

Rikhil Bhavnani (University of Wisconsin-Madison, United States) and Gareth Nellis (Yale University, United States)

- » “Social Ties and Favoritism in Chinese Science”

Raymond Fisman (Boston University, United States), Jing Shi (RMIT University, Australia), Yongxiang Wang (University of Southern California, United States), and Rong Xu (Renmin University of China, China)

- » “Incumbent Advantage, Voter Information and Vote Buying”

Cesi Cruz (University of British Columbia, Canada), **Philip Keefer** (Inter-American Development Bank), and Julien Labonne (Yale-NUS College, United States)

- » “Traditional Elites: Agricultural Productivity and the Persistence of Political Power”

Sabrin Beg (University of Delaware, United States)

DISCUSSANT: Luis-Felipe Lopez Calva (World Bank)



Session 3C: Measuring Employment, Time, and Women’s Agency

ROOM MC 8-100

CHAIR: Nada Hamadeh (World Bank)

- » “Not Your Average Job: Irregular Schedules, Recall Bias, and Farm Labor Measurement in Tanzania”

Vellore Arthi (University of Oxford, United Kingdom), Kathleen Beegle (World Bank), Joachim De Weerd (University of Antwerp and KU Leuven, The Netherlands) and **Amparo Palacios-Lopez** (World Bank)

- » “Measuring Women’s Agency”

Jeannie Annan (International Rescue Committee), **Aletheia Donald** (World Bank), Kathryn Falb (International Rescue Committee), Gayatri Koolwal (World Bank and UN Foundation) and Markus Goldstein (World Bank)

- » “Measuring Time Use in Development Settings”
Greg Seymour, Hazel Malapit, and Agnes Quisumbing (International Food Policy Research Institute)
 - » “Measuring Employment in Developing Countries: Evidence from a Survey Experiment”
Rachel Heath (University of Washington, United States), Ghazala Mansuri, Dhiraj Sharma, **Bob Rijkers**, and William Seitz (World Bank)
- DISCUSSANT: Margaret McMillan** (Tufts University)



Session 3D: Disease Prevalence, Disease Targeting, and Health Costs

ROOM MC 9-100

CHAIR: Eeshani Kandpal (World Bank)

- » “The Health Costs of Ethnic Distance: Evidence from Sub-Saharan Africa”
Joseph Gomes (University of Navarra, Spain)
- » “A New Method for Estimating Disease Prevalence Rates Using Big Data: An Application to Multi-Drug Resistant Tuberculosis”
Zoë McLaren (University of Michigan, United States) and Rulof Burger (University of Stellenbosch, South Africa)
- » “Using Cell Phone Data to Improve Disease Targeting and Mitigate the Negative Externality of Internal Population Movement”
Sveta Milusheva (Brown University, United States)”

DISCUSSANT: Owen Ozier (World Bank)

12:15 – 12:30

Brown Bag Lunch | PRESTON LOUNGE

Preston Auditorium

12:30 – 14:00

Panel: “The Science and Economics of Data”

CHAIR: Shanta Devarajan (Chief Economist, Middle East and North Africa Region, World Bank)

PANELISTS: Pieter Everaers (Director of A- Cooperation, European Statistical System, Eurostat), **Haishan Fu** (Director, Development Data Group, World Bank), and **Justin Wolfers** (Professor, University of Michigan, United States)

14:00 – 14:15 Coffee

14:15 – 16:15 Sessions 4A–4D

Session 4A: Teachers Pay, Teachers Productivity, and School Fees

ROOM MC 6-100

CHAIR: Halsey Rogers (World Bank)

- » “The Misallocation of Pay and Productivity in the Public Sector: Evidence from the Labor Market for Teachers”
Natalie Bau (University of Toronto, Canada) and Jishnu Das (World Bank)
- » “Through the Looking Glass: Can Classroom Observation and Coaching Improve Teacher Performance in Brazil?”
Barbara Bruns (Center for Global Development), **Leandro Costa** (World Bank), and Nina Cunha (Stanford University, United States)
- » “What Do Teachers Know and Do”
Tessa Bold (Stockholm University, Sweden), **Deon Filmer** (World Bank), Gayle Martin (World Bank), Ezequiel Molina (World Bank), Brian Stacy (World Bank), Christophe Rockmore (World Bank), Jakob Svensson (Stockholm University, Sweden), and Wally Wane (World Bank)
- » “Combining Administrative and Survey Data for Better Program Evaluation: A Case Study of School Fee Reforms in South Africa”
Robert Garlick (Duke University, United States)



Session 4B: Decentralization, Development Projects, and Corruption

ROOM MC 7-100

CHAIR: David Rosenblatt (World Bank)

- » “Decentralizing Corruption? Irrigation Reform in Pakistan’s Indus Basin”
Freeha Fatima, **Hanan G. Jacoby**, and Ghazala Mansuri (World Bank)
- » “Decentralization Without Representation (Or Mobility): Implications for Rural Public Service Delivery”
Katrina Kosec and Tewodaj Mogues (International Food Policy Research Institute)

- » “Local Government Proliferation, Diversity, and Conflict”
Samuel Bazzi (Boston University and BREAD, United States) and **Matthew Gudgeon** (Boston University, United States)
 - » “The Political Economy of Unfinished Development Projects: Corruption, Clientelism, or Collective Choice?”
Martin J. Williams (Oxford University, United Kingdom)
- DISCUSSANT: Paolo Mauro** (Peterson Institute for International Economics, United States)



Session 4C: Structural Transformation, Taxes and Subsidies: Evidence from Firms

ROOM MC 8-100

CHAIR: Poonam Gupta (World Bank)

- » “Out with the Old and Unproductive, In with the New and Similarly Unproductive: Microenterprise Dynamics in a Growing Low-Income Economy”
Brian McCaig (Wilfrid Laurier University, Canada) and **Nina Pavcnik** (Dartmouth College, United States)
 - » “Can Wage Subsidies Boost Employment in the Wake of an Economic Crisis? Evidence from Mexico”
Miriam Bruhn (World Bank)
 - » “Taxation, Information, and Withholding: Evidence from Costa Rica”
Anne Brockmeyer and **Marco Hernandez** (World Bank)
 - » “Economic Transformation in Africa from the Bottom Up: Macro and Micro Evidence from Tanzania”
Xinshen Diao (International Food Policy Research Institute), **Josaphat Kweka** (Trademark East Africa), **Margaret McMillan** (Tufts University, United States and International Food Policy Research Institute), and **Zara Qureshi** (International Food Policy Research Institute)
- DISCUSSANT: Mary Hallward-Driemeier** (World Bank)

Session 4D: Random Control Trials, Lab Experiments, and External Validity

ROOM MC 9-100

CHAIR: David Evans (World Bank)

- » “Do Rewards Work to Maintain and Increase Tax Compliance? Evidence from the Randomization of Public Goods”
Paul Carrillo (George Washington University, United States), Edgar Castro and **Carlos Scartascini** (Inter-American Development Bank)
- » “Income Hiding and Informal Redistribution: A Lab-in-the-Field Experiment in Senegal”
Marie Boltz (Paris School of Economics, France), Karine Marazyan (University of Paris 1, France), and **Paola Villar** (Institut National d’Etudes Demographiques (INED) and Paris School of Economics, France)
- » “Women’s Empowerment, Sibling Rivalry and Competitiveness: Evidence from a Lab Experiment and a Randomized Control Trial in Uganda”
Niklas Buehren (World Bank), Markus Goldstein (World Bank), Kenneth Leonard (University of Maryland, United States), **Joao Montalvao** (World Bank), and Katya Vasilaky (Columbia University, United States)
- » “Balancing External Validity and Networked Interference in Large-Scale Rural Experiments”
Alejandro Noriega and Alex (Sandy) Pentland (MIT, United States)

DISCUSSANT: Pamela Jakiela (University of Maryland, United States)



Daniel Ayalew Ali is an Economist in the Agriculture and Rural Development Team of the World Bank's Development Research Group. His main research area is applied microeconomics with a focus on Africa and rural issues: property rights, contracts in land and investment incentives, impact evaluation, risk coping and management. He has done extensive research on the impact evaluation of land related projects in Ethiopia, Rwanda, Tanzania, Nigeria and Ghana. He received his PhD in Economics from the Catholic University of Leuven, Belgium.



Belinda Archibong is an Assistant Professor of Economics at Barnard College and a faculty affiliate at Columbia University's Center for Development Economics and Policy (CDEP) and The Earth Institute at Columbia University. Her research areas include development economics, political economy and environmental economics with an African regional focus. Her research investigates the origins, drivers and effects of inequality of access to energy and public services. Some current work includes studying the persistent effects of historical institutions and geography on access to public services in Nigeria. Other research examines market failure and environmental policy, and the effects of environmental regulation on pollution levels and associated health. She received a B.A. in Economics/Philosophy and a Ph.D. in Sustainable Development from Columbia University.



Saher Asad is an Assistant Professor of Economics at the Lahore University of Management Sciences (LUMS). In her research, she studies the impacts of cell phones on agriculture and labor market decisions in Pakistan. Additional research interests include Development Economics, Agricultural Economics, Environmental and Resource Economics, and Applied Microeconomics. Before joining LUMS, Saher was a Ph.D. student and Fulbright Scholar at the Economics Department of the George Washington University. She completed her Ph.D. in 2015.



Prabhat Barnwal is an Assistant Professor of Economics at Michigan State University. His fields of interest are Development, Environmental & Energy, Public, and Health Economics. His ongoing work is on improving subsidy delivery in public programs. Other research includes program evaluation and topics energy, agriculture, and health in developing countries. He graduated with a Ph.D. from Columbia University in 2015.



Paulo Bastos is a Senior Economist in the Development Research Group of the World Bank, Trade and International Integration Unit. His research interests include the drivers of firm performance in international markets, the distributional impacts of globalization, and the nexus between migration and trade. His research has appeared in scholarly journals such as the *Journal of International Economics*, *Journal of Development Economics*, *Journal of Industrial Economics* and *International Journal of Industrial Organization*. Prior to joining the World Bank, he held positions at the Research Department of the Inter-American Development Bank, the European Commission and the University of Nottingham. He holds a Ph.D. in Economics from the University of Nottingham and a B.A. in Economics from the University of Porto.



Kaushik Basu is World Bank Senior Vice President and Chief Economist. Prior to this, he served as Chief Economic Adviser to the Government of India and is currently on leave from Cornell University where he is Professor of Economics and the C. Marks Professor of International Studies. Basu is a Fellow of the Econometric Society and has received India's Padma Bhushan award, the inaugural Professor A.L. Nagar Fellow award, as well as the National Mahalanobis Memorial award. Basu's contributions span development and welfare economics, industrial organization, and game theory. He has taught at the Delhi School of Economics, Harvard, Princeton and MIT. He is widely published in journals and scholarly volumes. He has authored several books, including *Beyond the Invisible Hand: Groundwork for a new Economics* (2010).



Natalie Bau is an Assistant Professor of Economics at the University of Toronto. She is interested in development and education economics with a special emphasis on the industrial organization of education markets. In her current projects, she studies school quality and teacher labor markets in Pakistan and the interaction between cultural norms and human capital investment in Indonesia, Zambia, and Ghana. She received her PhD in public policy from Harvard University in 2015.



Samuel Bazzi is an Assistant Professor in the Department of Economics at Boston University. His research spans the field of development economics with recent projects focusing on the consequences of labor mobility and the causes of conflict. Bazzi primarily works with large-scale administrative and survey data, and most of his research is based in Brazil and Indonesia.



Sabrin Beg is an Assistant Professor of Economics at University of Delaware. Her fields of interest are economic development, economic history, political economy and applied microeconomics. Her research has examined historical persistence of elites, elite capture and clientelism. She is also working on topics related to the adoption and efficacy of technology in poor contexts. She completed her PhD in Economics at Yale University in 2015.



Rikhil Bhavnani is an Assistant Professor and Trice Faculty Fellow in the Department of Political Science at the University of Wisconsin, Madison. He is currently working on three research agendas, on inequalities in political representation, the political economy of development, and nonviolence as a method of institutional change. Bhavnani's research is characterized by a concern with causal inference, and by a focus on South Asia. His papers have been published or are forthcoming in the *American Political Science Review*, *World Politics*, the *British Journal of Political Science* and the *Economic Journal*, among others. Prior to starting at UW–Madison, Rikhil worked at the Center for Global Development and the International Monetary Fund. He received a PhD in political science and an MA in economics from Stanford, and a BA in political science and economics from Yale.



Daniel Björkegren is an Assistant Professor of Economics at Brown University. His research uses the data generated by mobile phones to study the process of economic development. Recent work demonstrates that behavior revealed in calling patterns can be used to create credit scores for unbanked borrowers. He holds a Ph.D. in Economics from Harvard University, an M.A. in Economics from Stanford University, and a B.S. in Physics from University of

Washington.



Anne Brockmeyer is an Economist in the World Bank's Macroeconomics and Fiscal Management Practice, and affiliated with the Bank's Community of Practice on Taxation. Her research focuses on behavioral responses to taxation and their implications for optimal policy design; the determinants and consequences of informality; and the effect of taxation on investment. Her work draws on administrative data and quasi-experimental and experimental methods. She holds a PhD from the LSE and an MA from Sciences Po Paris.



Miriam Bruhn is a Senior Economist in the World Bank's Development Research Group. She joined the World Bank as a Young Economist in September 2007. Her research interests include the effect of regulatory reform on entrepreneurial activity, the informal sector, micro and small enterprises, financial literacy, and the relationship between institutions and economic development. She holds a Ph.D. in Economics from MIT and a B.A. in Economics from Yale University.



Maggie Xiaoyang Chen is an Associate professor of economics and international affairs at George Washington University. Chen's areas of research expertise include multinational firms, international trade, and regional trade agreements and her work has been published extensively in leading academic journals. She has worked as an economist in the research department of the World Bank in 2011–2012, a consultant for various regional divisions of the World Bank and the International Finance Cooperation since 2003, and a contributor to the World Development Report and World Bank's Latin America and Caribbean Flagship Report. Chen currently serves as a trade policy advisor at the U.S. Congressional Budget Office leading policy analyses on the economic effects of the Trans-Pacific Partnership Agreement. She is also a co-editor of the Economic Inquiry. Chen received her Ph.D. and M.A. in Economics from the University of Colorado at Boulder and her B.A. in Economics from Beijing Normal University.



Martin Cihák is an Advisor and Chief of Strategy and Planning at the IMF (Monetary and Capital Markets Department). His work has covered stress testing and other quantitative methods of assessing financial stability; as well as monetary policy, financial regulation, financial deepening, and the role of the state in finance. Mr. Cihák has covered these topics in a range of publications and in numerous IMF missions. From 2011 to 2013, he worked at the World Bank Group as team leader for the Global Financial Development Report. Before joining the IMF in 2000, he was a chief analyst in a commercial bank, a university lecturer, and a government advisor. He has a PhD in economics and MAs in economics and in law from Charles University, Prague.



Leandro Costa is an Economist at the World Bank in the Education Department. He received his doctoral degree in Economics from the Federal University of Ceara—UFC (Brazil, 2010), and he was a Visiting Graduate Student at the University College London—UCL (UK, 2008). His research focuses on the economics of education and public policy evaluation, particularly in the Brazilian education system.



Robert Cull is Acting Research Manager in the Finance and Private Sector Development Team of the World Bank's Development Research Group. His most recent research is on the performance of microfinance institutions, African financial development, Chinese financial development and firm performance, and the effects of the global financial crisis on foreign banks in developing economies. He has published more than forty articles in peer-reviewed academic journals including the *Economic Journal*, *Journal of Development Economics*, *Journal of Economic Perspectives*, *Journal of Financial Economics*, *Journal of Law and Economics*, and the *Journal of Money, Credit, and Banking*. The author or editor of multiple books, his most recent co-edited book, "Banking the World: Empirical Foundations of Financial Inclusion" was published by MIT Press January, 2013. He is also co-editor of the *Interest Bearing Notes*, a bi-monthly newsletter reporting on financial and private sector research.



Asli Demirgüç-Kunt is the Director of Research at the World Bank. After joining the Bank in 1989 as a Young Economist, she has held different positions, including Director of Development Policy, Chief Economist of Financial and Private Sector Development Network, and Senior Research Manager, doing research and advising on financial sector and private sector development issues. She is the lead author of the World Bank Policy Research Report 2007 *Finance for All? Policies and Pitfalls in Expanding Access* and has also created the World Bank's *Global Financial Development Report*.



Shanta Devarajan is the Chief Economist of the World Bank's Middle East and North Africa Region. Since joining the World Bank in 1991, he has been a Principal Economist and Research Manager for Public Economics in the Development Research Group, and the Chief Economist of the Human Development Network, the South Asia Region and Africa Region. He was the director of the World Development Report 2004, *Making Services Work for Poor People*. Before 1991, he was on the faculty of Harvard University's John F. Kennedy School of Government. The author or co-author of over 100 publications, Mr. Devarajan's research covers public economics, trade policy, natural resources and the environment, and general equilibrium modeling of developing countries. Born in Sri Lanka, Devarajan received his B.A. in mathematics from Princeton University and his Ph.D. in economics from the University of California, Berkeley.



Aletheia Donald is an Economist working at the Gender Innovation Lab, within the World Bank's Africa Chief Economist Office. Her current research focuses on identifying and addressing gender-based constraints through the analysis of development project impacts and improving the measurement of their outcomes. Before joining the World Bank, Aletheia was a Research Fellow at Harvard's Evidence for Policy Design and Head of Research for the NGO

Empower Dalit Women of Nepal.



Xiaowen Dong is a Postdoctoral Associate in the Human Dynamics Group at the MIT Media Lab. His research interests lie at the intersection of signal processing, machine learning, network science, and their applications in understanding human behavior, decision making and societal changes using large-scale behavioral data. Prior to joining MIT, he received his PhD degree in Signal Processing from the Swiss Federal Institute of Technology (EPFL),

Lausanne, Switzerland.



Kevin Donovan is an Assistant Professor of Economics at the University of Notre Dame. His research interests lie broadly in growth and development.

Recent work has focused on constraints to both rural and urban firm growth, including the aggregate consequences of agricultural risk and the impact of inter-firm knowledge transfer among urban microenterprises. He received his Ph.D. in economics from Arizona State University and his B.S. in mathematics

from Bentley College.



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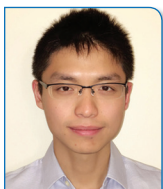
Kyle Emerick is an Assistant Professor of Economics at Tufts University. His research is in development economics—with a particular focus on the economics of agricultural development. His work has included studies on the effects of risk-reducing technologies on the decisions of poor farmers in rural India, the efficiency of informal seed exchanges between Indian farmers, and the effects of more secure property rights on labor reallocation in Mexico. His

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gender, orphanhood, and disability in explaining education inequalities; the determinants of effective service delivery and the evaluation of interventions aimed at improving it; the determinants of fertility behavior; and on trends in adult mortality around the world. He has recently co-authored books on Making Schools Work: New Evidence from Accountability Refoms and Youth Employment in Sub-Saharan Africa, and was a core team member of the World Bank's World Development Reports in 1995 Workers in an Integrating World and 2004 Making Services Work for Poor People, and a contributor to the 2007 report on Development and the Next Generation. He will be the co-director of the upcoming World Development focused on Education. He holds a PhD and MA from Brown University and a BA from Tufts University.



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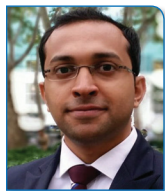


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Katrina Kosec is a Senior Research Fellow in the Development Strategy and Governance Division at the International Food Policy Research Institute (IFPRI). She is an applied microeconomist working at the intersection of development economics, political economy, and public economics. Her research focuses on the impacts of governance on public investment and outcomes for the poor. She has investigated the impacts of decentralization on growth, environmental investments, tax policy, and public service provision, as well as the effects of income inequality on local governments’ investments in the poor. Her current work examines how political competition and institutions affect the behaviors and aspirations of the poor. Kosec holds a Ph.D. in Political Economics from Stanford University, where she was a National Science Foundation Graduate Research Fellow in Economics.



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Ricardo Maertens is a PhD candidate in economics at Pompeu Fabra University and hold an MSc and an MRes in economics from the same institution. His research interests lie broadly within applied economics, with a focus in development, health, and resource economics. He studies the effect of increased corn production (and its associated agrichemicals) on fetal health in the United States' corn-belt, providing the first quasi-experimental evidence of

a significant relationship. He also studies the impact of rainfall shocks on agricultural output and civil war in Africa, uncovering robust effects of rainfall shocks on both agriculture and conflict.



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Shohei Nakamura is an Economist in the Poverty and Equity Global Practice of the World Bank, specializing in urban poverty and spatial inequality. Since he joined the Bank, he has been conducting various analytical works in Brazil, Mozambique, Ghana, Bangladesh, and other countries. He has also published several scholarly articles on housing and land tenure in informal settlements in India. Prior to joining the Bank, he was a visiting fellow at Harvard Graduate School of Design. He also worked for the Tokyo Metropolitan Government, where he managed the budget of various projects in the field of urban development. He holds a PhD in Urban and Regional Planning from the University of Michigan.



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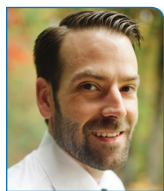


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Katie Simmons is Associate Director of Research at Pew Research Center. She is an expert in survey methodology and conducts research on international public opinion on a variety of topics, including U.S. foreign policy, the global economy, democracy and terrorism. Simmons helps to coordinate the Center-wide international research agenda and serves as a methodology consultant on all international projects at the Center. She is also involved in all

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