March 2020

CURRICULUM VITAE

CHRISTOPHER R. UDRY
Robert E. And Emily King Professor of Economics
Northwestern University
(847) 491-8216 • christopher.udry@northwestern.edu

Education: Ph.D., Yale University, 1991. Dissertation title: "Rural Credit in Northern Nigeria."

B.A. with High Honors, Swarthmore College, 1981. Economics Major; History, Political Science and Anthropology Minor.

Academic Positions:

Ahmadu Bello University, Department of Agricultural Economics and Rural Sociology
Visiting Research Scholar, 1988-1989
Northwestern University, Department of Economics
Assistant Professor, 1990-1996
Associate Professor, 1996-1998
University of Ghana, Institute of Statistical, Social and Economic Research
Visiting Senior Research Scholar, 1996-1997
Yale University, Department of Economics
Henry Heinz, II Professor 2004 - 2017
Chair, Department of Economics 2006 -2010
Professor, 1998-2004
Chair, Council on African Studies, 1999-2002, 2005-6, 2012 -2015
Director, Economic Growth Center, 2000-2005
Northwestern University, Department of Economics
Robert E. and Emily King Professor, 2017 –
Co-Director, Global Poverty Research Lab, 2017 –

Teaching Experience:

Northwestern University, 2017 – Graduate Economic Development, Economic Development in Africa

Yale University, 1998- 2017 Graduate Economic Development, Economic Development in Africa, Introductory Microeconomics, Undergraduate Development Economics.

Northwestern University, 1990-98 - Graduate Economic Development (Econ. D25), Graduate Economic Development in Africa (Econ. D98), Economic Development (Econ. C25), Economic Development in Africa (Econ. C26), Freshman Seminar in Economics (Econ. A01).

Yale University, 1985-90 - Economic Development in Africa Seminar (Econ. 469/806). Teaching assistant for Graduate Microeconomic Theory (Econ. 500, 501) and History of Economic Thought (Econ. 159/785).

Ahmadu Bello University, Nigeria, 1988 - Graduate Mathematical Economics (AEC 600).

Ghana Secondary School, Tamale, Ghana, 1981-83 - Economics and Mathematics.

Honors:

Fellow, International Association for Applied Econometrics, 2019
Fellow, CESifo
Astor Lecture, University of Oxford, 2017
Keynote Lecture, Australasian Development Workshop, 2017
International Lecture, Agricultural and Applied Economics Association, 2017
Mundlak Lecture, Hebrew University, 2017
Doctorate, *honoris causa*, University of Ghana, 2016
Marschack Lecture, Econometric Society Africa Region, Addis Ababa, 2014
Keynote Lecture, Society for Economic Dynamics, Cyprus 2012
Fellow, American Academy of Arts and Sciences, 2011
Fellow, Econometric Society, 2005
Invited Lecture, Econometric Society World Congress, 2005
Keynote Lecture, African Econometric Society, Cape Town, 2004
Giannini Lectures at UC Berkeley and UC Davis, 2004

Other Professional Activities:

Board Member, Bureau for Research and Economic Analysis of Development (BREAD) 2002-
Research Associate, National Bureau of Economic Research (NBER)
Board Member, Jameel Poverty Action Lab 2009-2014
Research Advisory Committee, SSCR Scholarly Boarderlands Initiative, 2017-2019
Board Member, Agricultural Technology Adoption Initiative, 2009-2014
Evaluation Panel, World Bank Development Economics Vice Presidency, 2014-15
Steering Committee, World Bank Gender Innovation Lab, 2013 -
Technical Advisory Board, World Bank LSMS-ISA, 2008-2014

Publications:

1. "Heterogeneity, Measurement Error and Misallocation: Evidence from African Agriculture," with Douglas Gollin, Forthcoming, Journal of Political Economy. April 2020.

2. "External Validity in a Stochastic World," with Mark Rosenzweig. Review of Economic Studies, 87/1, January 2020, Pages 343–381

3. "Good Identification, Meet Good Data," with Andrew Dillon, Dean Karlan and Jonathan Zinman. January 2020. World Development, 127/1

4. "Impact of savings groups on the lives of the poor." Proceedings of the National Academy of Sciences (PNAS), Early Edition: March 7, 2017 with Dean Karlan, Beniamino Savonitto, Bram Thuysbaert.

5. "A Multifacited Program Causes Lasting Progress for the Poor: Evidence from Six Countries, with Abhijit Banerjee, Esther Duflo, Nathanael Goldberg, Dean Karlan, Robert Osei, William Parienté, Jeremy Shapiro, Bram Thuysbaert. Science. Vol. 348 no. 6236. 15 May 2015.

6. "Financial Markets, Investment and Productivity in African Agriculture," in Africa at the Fork in the Road: Taking Off or Disappointment Once Again? Ernesto Zedillo, Olivier Cattaneo and Haynie Wheeler, eds. Yale Center for the Study of Globalization, 2015.

7. "Consulting and Capital Experiments with Micro and Small Tailoring Enterprises in Ghana," with Dean Karlan and Ryan Knight, Journal of Economic Behavior and Organization. Vol. 118, pp. 281-302, October 2015.

8. "Agricultural Decisions after Relaxing Credit and Risk Constraints," with Dean Karlan, Robert Osei and Isaac Osei-Akoto. Quarterly Journal of Economics. May 2014, 129/2: 597-652.

9. "Rainfall Forecasts, Weather and Wages over the Agricultural Production Cycle," with Mark Rosenzweig. American Economic Review (Papers and Proceedings), May 2014.

10. "Profitability of fertilizer: Experimental evidence from female rice farmers in Mali" with Lori Beaman, Dean Karlan and Bram Thuysbaert." American Economic Review (Papers and Proceedings), May 2013.

11. "Psychological Distress in Ghana: Associations with Employment and Lost Productivity," with Maureen E Canavan, Heather L Sipsma, Achyuta Adhvaryu, Angela Ofori-Atta, Helen Jack, Isaac Osei-Akoto and Elizabeth H Bradley. International Journal of Mental Health Systems. March 2013.

12. "Poor mental health in Ghana: who is at risk?." With Heather Sipsma , Angela Ofori-Atta, Maureen Canavan, Isaac Osei-Akoto, and Elizabeth H. Bradley. BMC public health 13, no. 1 (2013): 288.

13. "Crop Price Indemnified Loans for Farmers: A Pilot Experiment in Rural Ghana" with Dean Karlan, Ed Kutsoati and Margaret McMillan, Journal of Risk and Insurance. March 2011.

14. "Esther Duflo: 2010 John Bates Clark Medalist" , Journal of Economic Perspectives. Summer 2011, pp. 197-216.

15. "Land Tenure", in Ernest Aryeetey, Shantayanan Devarajan and Ravi Kanbur, eds. *The Oxford Companion to the Economics of Africa*, 2011

16. "The Economics of Agriculture in Africa: A Research Program." African Journal of Agricultural and Resource Economics. 5(1), September 2010.

17. "Creating Property Rights: Land Banks in Ghana," with Ernest Aryeetey, American Economic Review (Papers and Proceedings) 100(2): 130-134, May 2010.

18. "Learning About a New Technology: Pineapple in Ghana," with Tim Conley, American Economic Review 100(1): 35-69, March 2010.

19. "The Profits of Power: Land Rights and Agricultural Investment in Ghana," with Markus Goldstein. Journal of Political Economy116(6): 981-1022, December 2008.

20. "Households and the Social Organization of Consumption," with Hyungi Woo. 2007, African Studies Review

21. "Rural Financial Markets in Developing Countries," with Jonathan Conning, in Robert Evenson, ed. 2007, Handbook of Agricultural Economics (Amsterdam: Elsevier)

22. "The Return to Capital in Ghana," with Santosh Anagol. 2006. American Economic Review, Papers and Proceedings. 96(2): pp. 388-93

23. "Addressing Unequal Economic Opportunities: A case study of land tenure in Ghana," with Markus Goldstein. 2006. *Development Outreach.* 8(1): pp. 7-9.

24. "Consumption Smoothing? Livestock, Insurance and Drought in Rural Burkina Faso," with Harounan Kazianga. 2006, *Journal of Development Economics*..

25. "Institutions and Development: A View from Below," with Rohini Pande. 2006, in Richard Blundell, Whitney Newey, Torsten Persson, eds. Advances in Economics and Econometrics.

26. "Child Labor," in Banerjee, A., R. Benabou and D. Mookherjee, eds. 2006, Understanding Poverty (New York: Oxford University Press).

27. "Social Networks in Ghana," with Timothy Conley in Christopher B. Barrett, ed. 2004 The Social Economics of Poverty: Identities, Groups, Communities and Networks. (London: Routledge)

28. "Fieldwork, Economic Theory and Research on Institutions in Developing Countries," 2003, American Economic Review, Papers and Proceedings. 93(2), pp. 107-111.

29. "Social Learning Through Networks: The Adoption of New Agricultural Technologies in Ghana," with Timothy Conley. 2001. American Journal of Agricultural Economics, Papers and Proceedings. 83(3).

30. Readings in Development Microeconomics, 2 Volumes (edited with Pranab Bardhan, UC Berkeley), 2000, MIT Press.

31. Development Microeconomics (with Pranab Bardhan, UC Berkeley), 1999, Oxford University Press.

32. "Efficiency and Market Structure: Testing for Profit Maximization in African Agriculture," in Ranis and Raut, eds. 1999. Trade, Growth and Development: Essays in Honor of T.N. Srinivasan, Amsterdam: Elsevier Science.

33. "Comment on 'Geography, Demography, and Economic Growth in Africa,' by Bloom and Sachs." 1999. Brookings Papers on Economic Activity. 2:281-286.

34. "Drought and Saving in West Africa: Are Livestock a Buffer Stock?" with Katie Czukas and Marcel Fafchamps. 1998, Journal of Development Economics. 55(2), pp. 273-306.

35. "Rationing, Spillover and Interlinking in Credit Markets: The Case of Rural Punjab." 1997. Oxford Economic Papers. 49(4), pp. 557-585, with Clive Bell and T.N. Srinivasan.

36. "The Characteristics of Informal Financial Markets in Africa," with Ernest Aryeetey. 1997. Journal of African Economies. 6(1), pp. 161-203.

37. "Financial Markets and Financial Liberalization in Sub-Saharan Africa: A Synthesis," with Ernest Aryeetey and Lemma Senbet." 1997. Journal of African Economies. 6(1).

38. "Recent Advances in Empirical Microeconomic Research in Poor Countries." Winter 1997. Journal of Economic Education. 28(1), pp. 58-75.

39. "Estimation of Type 3 Tobit Models using Symmetric Trimming and Pairwise Comparisons," with Bo Honoré and Ekaterini Kyriazidou. January/February 1997. Journal of Econometrics. 76(1&2), pp. 107-28.

40. "Gender, Agricultural Productivity and the Theory of the Household." October, 1996. Journal of Political Economy. 104(5), pp.1010-47.

41. "Risk and Saving in Northern Nigeria," December, 1995. American Economic Review. 85(5), pp. 1287-1300.

42. "Gender Differentials in Farm Productivity: Implications for Household Efficiency and Agricultural Policy," with John Hoddinott, Harold Alderman, and Lawrence Haddad, 1995, Food Policy, special issue on *Getting Agriculture Moving*. 20(5), pp. 407-23.

43. "Risk and Insurance in a Rural Credit Market: An Empirical Investigation in Northern Nigeria," 1994. Review of Economic Studies. 61(3), no. 208, pp. 495-526.

44. "Agricultural Credit in Northern Nigeria: Credit as Insurance in a Rural Economy." World Bank Economic Review, 1990, Vol. 4, No. 3, pp. 251-269. Revised version reprinted in K. Hoff, A. Braverman, and J. Stiglitz, eds. 1993. The Economics of Rural Organization. Oxford: Oxford University Press.

45. "Production Relations in Semi-Arid African Agriculture," with Hans Binswanger and John McIntire, in Bardhan, P., ed. (1989) The Economic Theory of Agrarian Institutions. Oxford: Clarendon Press

46. Review of Bevan, D., P. Collier and J. Gunning. 1989. Peasants and Governments: An Economic Analysis. Oxford: Clarendon Press in Economic Journal, 1991, Vol. 101 No. 408, pp. 1304-6.

Working Papers:

47. "Unpacking a Multi-Faceted Program to Build Sustainable Income for the Very Poor", with Abhijit Banerjee , Dean Karlan , Robert Osei , Hannah Trachtman, April 2020.

48. "Selection into Credit Markets: Evidence from Agriculture in Mali," with Lori Beaman, Dean Karlan and Bram Thuysbaert. March 2020.

49. "How Political Insiders Lose Out When International Aid Underperforms: Evidence from a Participatory Development Experiment in Ghana," with Kate Baldwin, Dean Karlan, and Ernest Appiah. March, 2020.

50. "Does Poverty Change Labor Supply? Evidence from Multiple Income Effects and 115,579 Bags" with Abhijit Banerjee, Dean Karlan and Hannah Trachtman. December 2019

51. "How Political Insiders Lose Out When International Aid Underperforms: Evidence from a Participatory Development Experiment in Ghana" with Kate Baldwin, Dean Karlan and Ernest Appiah. October 2019.

52. "Assessing the Benefits of Long-Run Weather Forecasting for the Rural Poor: Farmer Investments and Worker Migration in a Dynamic Equilibrium Model," with Mark Rosenzweig. May 2019

53. "The Potential for Transformation: Testing Agricultural Technologies in Northern Ghana," with Joanna van Asselt, Federica Di Battista, Ghara Bryon, Dean Karlan and Shashi Kolavalli. May 2018

54. "Rural Risk and Anticipatory Migration: The General-Equilibrium Effects of Improving Weather Forecasts" with Mark Rosenzweig, September 2017.

55. "Forecasting Profitability," with Mark Rosenzweig. Manuscript, Yale University. June 2015.

56. "Hoping to Win, Expected to Lose: Theory and Lessons on Micro Enterprise Development", August 2012, with Dean Karlan and Ryan Knight

57. "Capital Constraints in Agriculture: Evidence from Mali," with Lori Beaman, Dean Karlan and Bram Thuysbaert. December 2012.

58. "Intrahousehold Resource Allocation in Côte d'Ivoire: Social Norms, Separate Accounts and Consumption Choices," with Esther Duflo. Manuscript, Yale University. December 2004.

59. "Rural Household Asset Choice in Ghana," with Ernest Aryeetey. Manuscript, Yale University. November 1999.

60. "Saving in Sub-Saharan Africa," with Ernest Aryeetey. Center for International Development Working Paper no. 38, Harvard University. January 2000.

Editorial:

Co-editor, Journal of Development Economics, 2009 – 2019
Associate Editor, Journal of Development Economics, 1995 - 2005
Associate Editor, Econometrica, 2001 - 2009
Associate Editor, Economic Development and Cultural Change. 2004 - 2009
Associate Editor, American Economic Review, 2005 – 2009
Associate Editor, Journal of Economic Perspectives, 2013 - 2016

Ph.D. Thesis Advisees (initial placement):

Madiha Afzal (Maryland)
Muneeza Alam (Edgeworth Economics)
Treb Allen (Northwestern)
Richard Akresh (Illinois)
Achyuta Adhvaryu (Yale Public Health)
Santosh Anagol (Wharton)
Reena Badiani (Duke)
Bruno Barsanetti (Fundação Getúlio Vargas (Rio))
Lori Beaman (Northwestern)
Sabrin Beg (Delaware)
Guy Berger (Bank of America)
Prashant Bharadwaj (UC San Diego)
Gharad Bryan (LSE)
Eugene Canjels (New School)
Amalovoyal Chari (Cornell postdoc)
James Choy (Warwick)
Alex Cohen (Yale SOM post-doc)
Sabyasachi Das (ISI post-doc)
Sanjaya DeSilva (Bard)
Camilo Dominguez (Bryn Mawr)
James Fenske (Oxford)
Ana Fernandes (World Bank)
Garth Frazer (Toronto)
Julia Garlick (Iowa)
Marcus Goldstein (World Bank)
Snaebjorn Gunnsteinsson (Maryland AGRE)
Federico Gutierrez (Vanderbilt)
Rachel Heath (World Bank/University of Washington)
Shareen Joshi (Georgetown)
Pinar Keskin (Wesleyan)
Amit Khandelwal (Columbia Business)
Chris Ksoll (Oxford)
Jeremy Magruder (UC Berkeley Ag Econ)
Alexey Makarin (Einaudi Institute for Economics and Finance)
Mike McBride (UC Irvine)
David Mckenzie (Stanford)
Melanie Morten (Stanford)
Steven Nafziger (Williams)
Farooq Naseer (LUMS)
Laia Navarro-Sola (IIES Stockholm)
Muthoni Ngatia (Tufts)
Anant Nyshadham (University of Southern California)
Una Okonkwo (IUPUI)
Jaqueline Oliveira (Clemson)
Pablo Olmos (Charles River Assoc)
Adam Osman (Illinois)
Craig Palsson (Naval Postgraduate School)
Tommaso Porzio (UCSD)
Ana Reynoso (Michigan)
Daniel Rosenblum (Dalhousie)
Gabriella Santangelo (Cambridge)
Mir Salim (Virginia Darden School of Business)
Veronica Santarosa (U of Michigan Law School)
Matthias Schuendeln (Harvard)
Siddharth Sharma (World Bank)
Priscila Souza (Toulouse)
Meredith Startz (Stanford),
Yaniv Stopnitzky (U of San Francisco)
Yixiao Sun (UC San Diego)
Tavneet Suri (MIT Sloan)
Anand Swamy (Williams)
Vis Taraz (Smith)
Harsha Thirumurthy (UNC)
Hannah Trachtman (Hebrew U)
Shing-Yi Wang (NYU)
Leonard Wantchekon (Yale)
Jeffrey Weaver (USC)
Jaya Wen (Harvard Bus School)
Xiang Ma (Jinan)
Xiaoxue Zhao (Duke post-doc)

Yu Liu (Fudan)