

Kenneth Leonard

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Department of Agricultural and Resource Economics

University of Maryland

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PERSONAL INFORMATION

Academic Appointments at UMD

- 2009-present, Associate Professor of Agricultural and Resource Economics
- 2005-present, Faculty Associate, Maryland Population Research Council
- 2003-2009, Assistant Professor of Agricultural and Resource Economics

Other Employment

- 1997-2003, Assistant Professor of Economics, Columbia University
- 2012, Visiting Scholar, Ifakara Health Institute

Educational Background

- 1997, Ph.D., Agricultural and Resource Economics, University of California at Berkeley
- 1989, B.A., Economics and Political Science, Swarthmore College, 1989, with High Honors

RESEARCH

Chapters in Books

- 2016, Leonard, K.L., O Maestad "Analyzing the Determinants of Health Worker Performance", *Health Labor Market Analysis in Low and Middle Income Countries: An Evidence Based Approach*, Scheffler, Richard M.; Herbst, Christopher H.; Lemiere, Christophe; Campbell, Jim (Eds.), chapter 5
- 2016, Leonard, K.L., O Maestad "Measuring the Performance of Health Workers", *Health Labor Market Analysis in Low and Middle Income Countries: An Evidence Based Approach*, Scheffler, Richard M.; Herbst, Christopher H.; Lemiere, Christophe; Campbell, Jim (Eds.), chapter 4
- 2013, Leonard, K.L., P. Serneels, J.M. Brock# and M. C. Masatu, "Health Worker Performance", *Human Resources for Health in "Africa: A New Look at the Crisis*, Agnes Soucat and Richard M. Scheffler (Eds.), chapter 5
- 2013, Leonard, K.L., P. Serneels and J.M. Brock#, "Intrinsic Motivation", *Human Resources for Health in Africa: A New Look at the Crisis*, Agnes Soucat and Richard M. Scheffler (Eds.), 255-283
- 2012, McNamara, P.E.*, J.M. Ulimwengu, and K.L. Leonard, "Do Health Investments Improve Agricultural Productivity? Lessons from Agricultural Household and Health

Research", *Reshaping Agriculture for Nutrition and Health*, S. Fan and R. Pandya-Lorch (Eds.), 113

- 2012, Essam, T.# and Leonard, K.L., "Commentary: When Information Becomes Useful", *The Value of Information*, Edited by R. Laxminarayan and M. K. Macauley
- 2009, Leonard, K.L., "African Traditional Healers: Are they as Good at Economics as they are at Medicine?", *African Ethics: An Anthology of Comparative and Applied Ethics*
- 2008, J. Das and Leonard, K.L., "Using Vignettes to Measure the Quality of Health Care", *Are You Being Served? New Tools for Measuring Service Delivery*, Amin, S., Das, J. and Goldstein, M. (eds.), chapter 13
- 2005, Leonard, K.L., "Collaborations of Mutual Benefit to Academics and Practitioners", *Attacking Poverty in the Developing World: Christian Practitioners and Academics in Collaboration*, Dean, Judith M., Julie Schaffner and Stephen L.S. Smith (eds.), 33
- 2003, Leonard, K.L. and G. Mliga, "Bypassing Health Centers in Tanzania: Revealed Preferences for Quality", *Le Financement de la sante dans les pays d'Afrique et d'Asie a fiable revenue*, M. Audibert, J. Mathonnat and Eric de Roodenbeke (eds), 59-76
- 2000, Leonard, K.L., "Incentives and Rural Health Care Delivery", *Africa's Changing Markets for Health and Veterinary Services*, 61 -80

Papers in Peer Reviewed Journals

- 2018, J. M. Brock#, A. Lange, Leonard, K.L.*, Giving and Promising Gifts: Experimental Evidence on Reciprocity from the Field, *Journal of Health Economics*, Volume 58, March 2018, Pages 188-201
- 2018, J. Flory##, U. Gneezy, KL Leonard* and J. List, Outgrowing the Gender Gap in Competitiveness, *Journal of Economic Behavior and Organization*, Volume 150, June 2018, Pages 256-276
- 2018, Vasilaky, K.*# and Leonard, K.L., As Good as the Networks They Keep: Expanding Farmer's Social Networks via Randomized Information Exchange in Rural Uganda, *Economic Development and Cultural Change*, 66, no. 4 (July 2018): 755-792.
- 2017, K.L. Leonard and M. Masatu, Changing Provider Performance through Measurement: The Long Term Impacts of a Program to Encourage Quality in Outpatient Care, *Social Science and Medicine*, 181: 54-65.
- 2016, J. M. Brock, A. Lange and K.L. Leonard, Generosity and Prosocial Behavior in Healthcare Provision Evidence from the Laboratory and Field, *Journal of Human Resources*, 51 (1) : 133-162
- 2015, Bawo, L and Leonard KL and Mohammed, R., Protocol for the evaluation of a quality-based pay for performance scheme in Liberia, *Implementation Science*, 10 (9)
- 2015, J. Michelle Brock and Andreas Lange and Kenneth L. Leonard, Esteem and social information: On determinants of prosocial behavior of clinicians in Tanzania, *Journal of Economic Behavior & Organization*, 118: 85-94
- 2014, Leonard, K.L., 'Active Patients' in Rural African Health Care: Implications for Research and Policy, *Health Policy and Planning*, 29(1): 85-95

- 2013, Hanson, J.C*, T. Essam# and K.L. Leonard, Listening while Evaluating: Examining the Benefit of an NGO Program using Season Extenders (greenhouses) in Bosnia-Herzegovina, *Journal of Development Effectiveness*, 5(1): 116:136
- 2012, Brown, M.E*, F. Tondel, T. Essam#, J.A. Thorne, B.F. Mann, K.L. Leonard, B. Stabler, G. Eilerts, Country and regional staple food price indices for improved identification of food security, *Global Environmental Change*, 22(3): 784-794
- 2010, Leonard, K.L.* and M.C. Masatu, Using the Hawthorne Effect to Examine the Gap between a Doctors Best Possible Practice and Actual Practice, *Journal of Development Economics*, 93(2): 226-243
- 2010, Leonard, K.L.* and M.C. Masatu, Professionalism and the Know-Do Gap: Exploring Intrinsic Motivation among Health Workers in Tanzania, *Health Economics*, 19(12): 1461-1477
Cited in “10 best resources on ... pay for performance in low- and middle-income countries”
Ayako Honda *Health Policy and Planning*, Volume 28, Issue 5, 1 August 2013, Pages 454–457
- 2009, Leonard, K.L., The Cost of Imperfect Agency in Health Care: Evidence from Rural Cameroun, *Journal of Development Economics*, 88(2): 281-291
- 2009, Klemick, H.#, K.L. Leonard, * and M.C. Masatu, Defining Access to Health Care: Evidence on the Importance of Quality and Distance in Rural Tanzania, *American Journal of Agricultural Economics*, 91(2): 347-358. 2009
- 2009, Gneezy, U.*, K.L. Leonard, and J. List., Gender Differences in Competition: Evidence from a Matrilineal and a Patriarchal Society, *Econometrica*, 77(5): 1637-1664 Press coverage: www.theverge.com/2017/8/16/16153740/tech-diversity-problem-science-history-explainer-inequality www.theguardian.com/technology/2017/aug/13/james-damore-google-memo-youtube-white-men-radicalization
- 2009, Leonard K.L.* , Adelman, S.#, Essam T.#, Idle Chatter or Learning? Evidence of Social Learning about Clinicians and the Health System from Rural Tanzania, *Social Science and Medicine*, 69: 183-190
- 2008, Leonard, K.L., Is Patient Satisfaction Sensitive to Changes in the Quality of Care? An Exploitation of the Hawthorne Effect, *Journal of Health Economics*, 27(2): 444-459
- 2008, Leonard, K.L.* and M.C. Masatu, Moving from the Lab to the Field: Exploring Scrutiny and Duration Effects in Lab Experiments, *Economic Letters*, 100(2): 284-287
- 2008, Das, J., J. Hammer and K.L. Leonard, The Quality of Medical Advice in Low Income Countries, *Journal of Economic Perspectives*, 22(2): 93-114
- 2008, Leonard, K.L., Do Faith-Based NGOs Represent a Replicable Example for the Delivery of Public Services? An Application to Health Care Delivery in Developing Countries, *Faith and Economics*, 52: 32-59
- 2007, Leonard, K.L.*, M.C. Masatu and A. Vialou#, Getting Doctors to Do Their Best: The Roles of Ability and Motivation in Health Care Quality, *Journal of Human Resources*, 43(2): 682-700
- 2007, Leonard, K.L.* and M.C. Masatu, Variations in The Quality Of Care Accessible To Rural Communities In Tanzania, *Health Affairs*, 26(2): 380-392
- 2007, Leonard, K.L., Learning In Health Care: Evidence of Learning about Clinician Quality in Tanzania, *Economic Development and Cultural Change*, 55(3): 531-555
- 2006, Leonard, K.L.* and M.C. Masatu, Outpatient Process Quality Evaluation and the Hawthorne Effect, *Social Science & Medicine*, 63(9): 2330–2340

- 2005, Leonard, K.L. and J. Graff Zivin, Outcome versus Service Based Payments in Health Care: Lessons from African Traditional Healers, *Health Economics*, 14(6): 575-593. Cited in “What Every Public Finance Economist Needs to Know About Health Economics: Recent Advances and Unresolved Questions” Sherry A. Glied and Dahlia K. Remler *National Tax Journal* Vol. 55, No. 4 (December, 2002), pp. 771-788
- 2005, Leonard, K.L.* and M.C. Masatu, The Use of Direct Clinician Observation and Vignettes for Health Services Quality Evaluation in Developing Countries, *Social Science & Medicine*, 61(9): 1944-1951
- 2004, Leonard, K.L. and D. K. Leonard, The Political Economy of Improving Health Care for the Poor in Rural Africa: Institutional Solutions to the Principal-Agent Problem, *Journal of Development Studies*, 40(4): 50-77
- 2003, Leonard, K.L., African Traditional Healers and Outcome-Contingent Contracts in Health Care, *Journal of Development Economics*, 71(1): 1-22
- 2002, Leonard, K.L., When Both States and Markets Fail: Asymmetric Information and the Role of NGOs in African Health Care, *International Review of Law and Economics*, 22(1): 61-80
- 2002, Leonard, K.L.*, G. Mliga and D. Haile Mariam, Bypassing Health Centers in Tanzania: Revealed Preferences for Observable and Unobservable Quality, *Journal of African Economies*, 11(4): 441-471

* indicates primary authorship. # indicates current or former graduate student.

TEACHING, MENTORING AND ADVISING

Courses Taught

- World Hunger, Population and Food Supplies, AREC 365, Spring 2004 – Fall 2018
 - Fall 2013, (enrollment: 297)
 - Fall 2014, (enrollment: 296)
 - Fall 2015, (enrollment: 294)
 - Fall 2016, (enrollment: 291)
 - Fall 2017, (enrollment: 295)
 - Fall 2018, (enrollment: 292)
- Graduate Development Economics, AREC 846, Fall 2004 – Fall 2012
 - Fall 2014, (enrollment: 5)
 - Spring 2016, (enrollment: 4)
 - Fall 2016, (enrollment: 5)
 - Fall 2017, (enrollment: 6)
- Global Poverty and Economic Development, AREC 345, Fall 2013
 - Fall 2013, (enrollment: 76)
- Sustainable Economic Development, AREC 489G, Spring 2015
 - Spring 2015, (enrollment: 43)

Student Group Presentations

- 2008, Human Development Week, World Bank, (2006, 2008)

- 2008, Third Annual University Hunger Summit, The George Washington University Center for Global Health and The Alliance to End Hunger, Auburn University, Hosted by Universities Fighting World Hunger (UFWH)
- 2017, Presentation to National Summit of Students Helping Honduras
- 2017, Presentation to Hunger Banquet, University of Maryland Chapter of Oxfam America
- 2015, 2016, 2017, Global Public Health Colloquium, UMD

Doctoral Advising:

- Spring 2018, Uttra Balakrishnan, The Little Push: Role of Incentives in Determining Household Behaviour in India, Co-Committee **Chair**.
- Fall 2018, Edwina Wambogo, Food Security Among Older Adults in Sub-Saharan Africa: A Multisectoral Approach, Dean's representative
- Spring 2017, Andrew Brudevold-Newman, Essays on Education in Developing Countries, Committee Member.
- Spring 2017, Ziyang Yang, Transactions in Transitional Markets: Evidence from China's Rural Land Rental Market, Committee **Chair**, Placement: Assistant Prof. Xiamen University, Fujian, China
- Spring 2017, Ricardo Espinoza, Essays on Higher Education, Dean's representative
- Spring 2016, Romina V. Ordonez, Demand For Safer Food In Developing Countries, Committee **Chair**
- Sum II 2015, Rubaba Ali, Essays on Impact of Infrastructure in the presence of market imperfections, Committee member
- Spring 2015, Po Yin Wong, Resilience And Adaptation To Natural Hazards: Evidence From Indonesia, Co-Committee **Chair**, Placement: Postdoc, Norwegian School of Economics, Norway
- Spring 2015, Magda Tsaneva, Human Capital Investments: Preferences, Opportunities, Constraints, Co-Committee **Chair**, Placement: Assistant Prof, Clark University,
- Spring 2015, Simone Pieralli, The Role of Soils in Production: Aggregation, Separability, And Yield Decomposition in Kenyan Agriculture, Committee member
- Spring 2014, Eduardo Nakasone, The Role of Price Information in Agricultural Markets: Evidence from Rural Peru, Committee **Chair**, Placement: Assistant Prof, Michigan State.
- Spring 2014, Pinar Gunes, Essays on Female Education, Fertility, and Health: Evidence from Turkey and the US, Committee **Chair**, Placement: Assistant Prof. University of Alberta
- Spring 2014, Sean Yuji Sylvia, Managerial Incentives In Public Service Delivery: Evidence From School-Based Nutrition Programs In Rural China, Committee member
- Spring 2013, Yiyan Liu, Essays on Health Insurance Markets, Dean's Representative
- Spring 2013, Amy Knaup, Essays on Migration and Health, Dean's Representative
- Spring 2013, Timothy Essam, Using Satellite Imagery to Analyze Millet Price Regimes and Market Performance in Niger, Committee **Chair**
- Spring 2013, Upumanyu Datta, Economics & Empowerment: Catalysts Or Competitors?, Committee **Chair**
- Spring 2013, Trang Tran, Essays on the Impact of Conflict and Regulations on the Private Sector in Developing Countries, Committee Member
- Spring 2013, Amparo Palacio Lopez, Essays on Decomposition Analysis, Committee Member
- Spring 2011, Abby Alpert, Consequences of Publicly Provided Prescription Drug Insurance, Dean's Representative

- Spring 2011, Kahwa Douougih, Competition and Entrepreneurship: Essays in Experimental Economics, Dean's Representative
- Spring 2011, Ida Lindkvist, Health Worker Motivation and Effort in a Low Income Context, (University of Bergen, Norway), Principal Opponent
- Spring 2011, Michelle Michalek, Social Preferences Among Clinicians in Tanzania: Evidence From the Lab and the Field, Committee **Chair**, Placement European Bank for Reconstruction and Development
- Spring 2011, Katya Vasilaky, Development, Technology Adoption and Social Networks, Committee **Chair**, Placement Assistant Prof. Cal Poly
- Spring 2011, Jeff Flory, Formal Savings & Informal Insurance in Villages: A Field Experiment on Indirect Effects of Financial Deepening on Safety Nets of the Ultra-Poor, Committee **Chair**, Placement: Assistant Prof. Claremont McKenna University
- Spring 2010, Yoon Soo Kim, Health, Agriculture and Labor Markets, Dean's Representative
- Spring 2010, Niko Hobdari, Africa's Growth Acceleration: The role of Policies, Institutions and Aid, Dean's Representative
- Spring 2009, Sarah Adelman, Early Childhood Nutritional Responses to Targeted Food Aid and Social Network Disruptions in Ugandan Internally Displaced Person's Camps, Committee **Chair**, Placement: Assistant Prof. Mt Holyoke.
- Spring 2008, Marcella Veronesi, Environmental Risk Factors, Health and the Labor Market Response of U.S. Markets, Committee Member
- Spring 2007, Ekaterina Krivonos Gonzales, Three Essays on Coffee Markets, Committee Member
- Spring 2006, Soma Bhattacharya, The Value of Mortality Risk Reduction in Delhi India, Committee Member
- Spring 2006, Joytsna Puri, Factors Affecting Agricultural Expansion in Forest Reserves in Thailand: Role of Population and Roads, Committee Member
- Spring 2005, Valerie Mueller, Valuing Climate Amenities in Brazil Using a Hedonic Pricing Framework, Committee Member
- Spring 2003, Rozlyn Coleman-Engle, Life, Death, and Human Capital: Essays on How African Firms and Workers Are Responding to the HIV/AIDS Epidemic, Committee **Chair**
- Spring 2002, Seth A. Seabury, Three Essays on Workers' Compensation, Committee **Chair**
- Spring 2001, Ana Corbacho, Education, Income Distribution and Growth, (**awarded distinction**), Committee Member
- Spring 2001, Adriana Lleras-Muney, The Relationship Between Education and Mortality: An Analysis for the US Using a Unique Social Experiment, (**awarded distinction**), Committee Member
- Spring 2001, Manuel Lobato Osario, Essays on Liquidity Constraints and Stock Price Behavior, Committee **Chair**
- Spring 2000, Rodney Ramcharan, Understanding the Roles of Education in Economic Development, Committee Member
- Spring 2000, Robert Graboyes, Indemnities versus Deductibles in Health Insurance: Relative Efficiency in Deterring Low-Benefit Medical Treatments, Committee Member
- Spring 1999, Maria Claudia Ribeiro Castro, Essays on Interest Parity and Exchange Rate Fluctuations, Committee Member
- Spring 1999, Won Chang, Estimating the Price Effects of Regional Trade Arrangements, 1999, Committee Member

- Spring 1999, Abebe Adugna, Three Essays in International Trade and Peasant Agriculture, 1999, Committee Member
- Spring 1999, Keiichi Ogawa, Education Policies and Economic Efficiency: The Case of Indonesia, 1999, External Examiner
- Spring 1998, Margaret Macmillan, Taxation and Investment in Sub-Saharan Africa, (**awarded distinction**), 1998, Committee Member

SERVICE AND OUTREACH

Campus Service – Department, University and Professional (selected)

- 2016-2019, First Year Paper Committee (chair, 2018-2019)
- 2013-2015, Chair, Graduate Committee
- 2009-2011, Chair, Full, Associate and Assistant faculty Search Committee, (2009-2011)
- 2012-Ongoing, Member, Fulbright Program Mentoring and Advising
- 2015-Ongoing, Director, Global Poverty Minor
- 2011-2011, Member, Review of Proposal for Masters of Development Practice, UC Berkeley
- 2009-2013, AAEA outstanding dissertation award committee, (2009-2013)

International Activities

- 2012-Present, Impact Evaluation of the Liberia Health System Strengthening Project Liberia Evaluation, Liberia, PI
- 2012, Tanzania Cotton Sector Development Programme: Baseline Study, Tanzania, PI
- 2009-2011, Gender, Competition and Matrilineal Inheritance, Malawi, PI
- 2008-2011, Testing a novel methodology for measuring medical quality in developing countries, Tanzania, Co-PI
- 2008-2011, Measuring the Motivation of Knowledge-Sector Professionals in Developing Country Settings, Tanzania, Co-PI
- 2008-2011, The Gender Dimension of Cotton Productivity in Uganda, Uganda, Co-PI
- 2008-2010, Evaluation of the impact of irrigation project rehabilitation and agricultural extension services, Burkina Faso, PI
- 2008-2010, Evaluation of the impact of rural land governance reform, Burkina Faso, PI
- 2005-2008, Do Social Networks Influence Households' Human Capital Investments?, Uganda, Co-PI and graduate student supervisor
- 2008, The contribution of traditional medicine to Kenyan healthcare delivery, Kenya Co-PI
- 2005, The Hawthorne effect in Medicine, Tanzania, PI (2005)
- 2001-2002, Learning and Reputation with Asymmetric Information as seen in Rural African Health Care, Tanzania, PI
- 1995, Traditional Insurance Mechanisms and the Choice of Health Care Providers, Ethiopia, Co-PI
- 1995, Decentralization and the Quality of Health Care in Tanzania, Tanzania, Co-PI
- 1994-1995, Choice and the Perception of Quality in Rural Health Institutions, Cameroon, Co-PI
- 1990, Rural Primary School Construction Program, Gabon (1989-1990), Peace Corps Volunteer

OTHER INFORMATION

- Languages, English (Native), French (Proficient), Kiswahili (Basic)