

Economics 260: Theories of Economic Development

University of California, Riverside
Winter 2019

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Winter 2019 Office Hours:
Mon. 10am-12pm
or by appointment

Course Description

The goal of this course is to expose students to a variety of issues and techniques that could be explored further in the writing of a dissertation. The course will focus on poverty. It combines theory, measurement and empirical papers that address issues of current importance in developing countries.

Course Requirements

The grade for the course will be calculated as a weighted average of the following components:

1. A 15 page final paper related to a topic on the syllabus. 50%
The paper will be due on the last day of class. It should include, in addition, a 3-5 page research proposal that describes an original research question and proposes how it could be carried out.
2. A journal with 10 reaction pieces (RP) to readings on the syllabus 35%
These should have about one page of summary and one page of critical analysis for each reading. Presentation slides can substitute for the summary. One RP will be due each week. Late submissions will be penalized.
3. Presentations and class participation 15%

Valuable References

- Banerjee, A., R. Benabou, and D. Mookherjee. *Understanding Poverty*. New York: Oxford University Press, 2006.
- Bardhan, P. and C. Udry. *Development Microeconomics*. New York: Oxford University Press, 1999.
- Barrett, C., M. Carter, and J-P. Chavas (editors), *The Economics of Poverty Traps*, University of Chicago Press, 2018.
- Deaton, Angus, *The Analysis of Household Surveys: A Microeconomic Approach to Development Policy*. Washington, D.C.: World Bank, 1997.
- Fields, Gary S., *Distribution and Development: A New Look at the Developing World*, New York: Russell Sage Foundation, 2001.
- Ravallion, Martin, *Poverty Comparisons*, Chur, Switzerland: Harwood Academic Publishers, 1994.
- Ravallion, Martin, *The Economics of Poverty: History, Measurement, and Policy*. New York: Oxford University Press, 2016.

Brief Course Outline

1. Poverty: History, Concepts and Issues
2. Measures of Poverty and Vulnerability
3. Mobility: Concepts and Applications
4. Income, Assets, and the Intergenerational Transmission of Poverty
5. Poverty, Institutions and Economic Development
6. Multidimensional Poverty
7. Anti-Poverty Policies: Conditional Cash Transfers (CCTs)
8. Income Diversification and Pathways Out of Poverty
9. Agricultural Household Models and Rural Poverty
10. Farm Size and Productivity: The Inverse Relationship Debate

Course Outline and Readings

1. Poverty: History, Concepts and Issues

- Lipton, Michael, and Martin Ravallion, "Poverty and Policy," chapter 41 in *Handbook of Development Economics Vol. IIIB*, edited by Behrman, Jere, and T.N. Srinivasan. Amsterdam: Elsevier, 1995. Read Section 2, "The history of ideas about the poor."
- Ravallion, Martin, "Origins of the Idea of a World Free of Poverty," and "New Thinking of Poverty after 1950," Chapters 1 and 2 in *The Economics of Poverty: History, Measurement, and Policy*, 2016.
- Sen, Amartya K., "Poor Relatively Speaking," *Oxford Economic Papers* 35(2): 153-69, July 1983.
- Sen, Amartya, "Poverty as Capability Deprivation," Chapter 4 in *Development as Freedom* (1999).
- Thorbecke, Erik, "The Evolution of the Development Doctrine, 1950-2005," in G. Mavrotos and A. Shorrocks (eds.), *Advancing Development*, Palgrave MacMillan, 2007.

2. Measures of Poverty and Vulnerability

Poverty

- Deaton, Angus, *The Analysis of Household Surveys: A Microeconomic Approach to Development Policy*. Washington, D.C.: World Bank, 1997. See Section 3.1.
- Fields, Gary S., *Distribution and Development: A New Look at the Developing World*, New York: Russell Sage Foundation, 2001. Read chapter 4.
- Foster, James, Joel Greer, and Erik Thorbecke, "A Class of Decomposable Poverty Measures," *Econometrica* 52(3): 761-66, May 1984.
- Foster, James, Joel Greer, and Erik Thorbecke, "The Foster-Greer-Thorbecke Poverty Measure: Twenty Five Years Later," *Journal of Economic Inequality*, 34pp., forthcoming, May 28, 2010.
- Ravallion, Martin, *Poverty Comparisons*, Chur, Switzerland: Harwood Academic Publishers, 1994.

Vulnerability

- Calvo, C. and S. Dercon, "Measuring Individual Vulnerability," Oxford University, WPS No. 229, 2005.
- Gallardo, Mauricio, "Identifying Vulnerability to Poverty: A Critical Survey." 2018. *Journal of Economic Surveys*, 32(4): 1074-1105.
- Ligon, E. and L. Schechter, "Measuring Vulnerability," *Economic Journal* 113(486): 95-102, March 2003.

3. Mobility: Concepts and Applications

- Antman, Francisca, and David J. McKenzie. "Earnings Mobility and Measurement Error: A Pseudo-Panel Approach," *Economic Development and Cultural Change*, 56(1): 125-61, Oct. 2007.
- Bane, M.J. and D.T. Ellwood. "Slipping into and out of Poverty: The Dynamics of Spells." *The Journal of Human Resources*, Vol. 21, No. 1, Winter, 1986, pp. 1-23.
- Baulch, Bob and John Hoddinott, "Economic Mobility and Poverty Dynamics in Developing Countries," *Journal of Development Studies*, 36:6, 1-24, 2000.
- Cuesta, J., H. Ñopo, and G. Pizzolitto. "Using Pseudo-Panels to Measure Income Mobility in Latin America." *Review of Income and Wealth*, 57: 2, June 2011.

- Fields, Gary S., and E. Ok. "The measurement of income mobility: an introduction to the literature." In *Handbook on Income Inequality Measurement*, ed., J. Silber. Boston: Kluwer, 1999.
- Fields, Gary S., P.L. Cichello, S. Freije, M. Memendez, and D. Newhouse. "Household Income Dynamics: A Four-Country Story," *Journal of Development Studies*, 40(2): 30-54, Dec. 2003.
- Fields, Gary S., R. Duval-Hernandez, and S. Freije. "Intragenerational Income Mobility in Latin America," *Economia* 7(2): 101-43, Spring 2007.
- Glewwe, Paul. "How Much of Observed Economic Mobility is Measurement Error? IV Methods to Reduce Measurement Error Bias, with an Application to Vietnam." 2012. *World Bank Economic Review*, 26(2): 236–264.
- Jalan, J. and M. Ravallion, "Is Transient Poverty Different? Evidence for Rural China," *Journal of Development Studies*, 36(6): 82-99, 2000.
- Lanjouw, Peter, Jill Luoto, and David McKenzie. "Using Repeated Cross-Sections to Explore Movements in and out of Poverty," Policy Research Working Paper 5550, World Bank, January 2011.
- Neidhofer, G., J. Serrano, and L. Gasparini. "Educational Inequality and Intergenerational Mobility in Latin America: A New Database." *Journal of Development Economics*, 134(September): 329-349, 2018.

4. Income, Assets, and the Intergenerational Transmission of Poverty

Assets vs. Income--1

- Carter, M., and C. Barrett, "The Economics of Poverty Traps and Persistent Poverty: An Asset-Based Approach," *Journal of Development Studies*, 42(2): 178–199, 2006.
- Adato, M., M. Carter, and J. May, "Exploring Poverty Traps and Social Exclusion in South Africa Using Qualitative and Quantitative Data," *Journal of Development Studies*, 42(2): 226-247, 2006.
- Barrett, C.B., P.P. Marenja, J. McPeak, B. Minten, F. Murithi, W. Oluoch-Kosura, F. Place, J.C. Randrianarisoa, J. Rasambainarivo, and J Wangila, "Welfare Dynamics in Rural Kenya and Madagascar," *Journal of Development Studies*, 42(2): 248-277, 2006.
- Carter, M. and J. May, "One Kind of Freedom: Poverty Dynamics in Post-Apartheid South Africa," *World Development*, 29(12): 1987-2006, Dec. 2001.
- Lybbert, T.J., C.B. Barrett, S. Desta, and D.L. Coppock, "Stochastic Wealth Dynamics and Risk Management among a Poor Population," *Economic Journal*, 114(498): 750-777, Oct. 2004.

Assets vs. Income--2

- See special issue in *Journal of Development Studies*: "Poverty Traps and Asset Dynamics," Vol. 49, No. 7, July 2013.
- Barrett, C., Carter, M., 2013. "The Economics of Poverty Traps and Persistent Poverty: Empirical and Policy Implications." *The Journal of Development Studies*, 49(7), 976-90.

- Arunachalama, R., and A. Shenoy, 2017. "Poverty Traps, Convergence, and the Dynamics of Household Income," *Journal of Development Economics*, 126: 215-230.

- Kraay, A., and D. McKenzie, "Do Poverty Traps Exist? Assessing the Evidence." *Journal of Economic Perspectives* 28(3), 127-48, Summer 2014.
- Kwak, S., and S. Smith, 2013. "Regional Agricultural Endowments and Shifts of Poverty Trap Equilibria: Evidence from Ethiopian Panel Data." *The Journal of Development Studies*, 49(7), 955-75.
- McKay, A., and E. Perge, 2013. "How Strong is the Evidence for the Existence of Poverty Traps? A Multi-Country Assessment." *The Journal of Development Studies*, 49(7), 877-897.
- Michelson, Hope, Maria Muñiz and Kyle DeRosa, 2013. "Measuring Socio-economic Status in the Millennium Villages: The Role of Asset Index Choice," *Journal of Development Studies*, 49(7), 917-35.
- Naschold, F., 2012. "The Poor Stay Poor": Household Asset Poverty Traps in Rural Semi-Arid India, *World Development*, 40(10), 2033-2043.
- Naschold, F., 2013. "Welfare Dynamics in Pakistan and Ethiopia – Does the Estimation Method Matter?" *The Journal of Development Studies*, 49(7), 936-954.
- Quisumbing, Agnes R. and Bob Baulch, 2013. "Assets and Poverty Traps in Rural Bangladesh," *Journal of Development Studies*, 49(7), 898-916.
- Giesbert, L., and K. Schindler, 2012. "Assets, Shocks and Poverty Traps in Rural Mozambique." *World Development*, 40(8): 1594-1609.

Intergenerational Transmission of Poverty

- Agüero, Jorge M., and M. Ramachandran, "The Intergenerational Transmission of Schooling among the Education-Rationed," mimeo, December 2017. Forthcoming in *Journal of Human Resources*.
- Bird, Kate, "How is Poverty Transmitted Intergenerationally and What Might be Done to Stop it in its Tracks," paper presented at the Chronic Poverty Research Centre's conference "Ten Years of 'War Against Poverty': What Have we Learned Since 2000 and What Should we do 2010-2020," Manchester, UK, September 8-10, 2010.
- Behrman, Jere R., "Methodological Note: Using Micro Data to Understand Better the Intergenerational Transmission of Poverty in Low Income Developing Countries," CPRC Working Paper No. 68, 2006.
- Behrman, Jere R., and M.R. Rosenzweig, "Does Increasing Women's Schooling Raise the Schooling of the Next Generation?" *American Economic Review* 92(1): 323-334, March 2002.
- Behrman, Jere R., A. Gaviria, M. Székely, N. Birdsall, and S. Galiani, "Intergenerational Mobility in Latin America," *Economía*, 2(1):1-44, Fall, 2001.
- Black, Sandra E., P.J. Devereux, and K.G. Salvanes, "Why the Apple Doesn't Fall Far: Understanding Intergenerational Transmission of Human Capital," *American Economic Review*, 95(1): 437-449, Mar., 2005.
- Kanbur, Ravi, "Income Distribution and Development," Chapter 13 in *Handbook of Income Distribution, Vol. 1*, edited by Atkinson A.B. and F. Bourguignon, Elsevier Science, 2000.
- Picketty, Thomas, "Theories of Persistent Inequality and Intergenerational Mobility," Chapter 8 in *Handbook of Income Distribution, Vol. 1*, edited by Atkinson A.B. and F. Bourguignon, Elsevier Science, 2000.

5. Poverty, Institutions and Economic Development

- Acemoglu, D., S. Johnson, and J. Robinson. "The Colonial Origins of Comparative Development: An Empirical Investigation." *The American Economic Review* 91(5), pp. 1369-1401, 2001.
- Acemoglu, D., S. Johnson, and J. Robinson. "Reversal of Fortune: Geography and Institutions in the Making of the Modern World Income Distribution." *The Quarterly Journal of Economics*, 117(4), pp. 1231-1294, 2005.
- Acemoglu, D., S. Johnson, and J. Robinson. "Institutions as a Fundamental Cause of Long Run Growth," Chapter 6 in Aghion, P. and S.N. Durlauf (eds.), *Handbook of Economic Growth, Volume 1, Part A*, Elsevier B.V., 2005.
- Alsan, M. "The Effect of the TseTse fly on African Development." *The American Economic Review* 105(1), pp. 382-410, 2014.
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- Bentzen, J.S., N. Kaarsen and A.M. Wingender. "Irrigation and Autocracy." Working Paper, June 11, 2015.
- Cinnirella, F. and E. Hornung. "Landownership Concentration and the Expansion of Education." *Journal of Development Economics* 121, pp. 135-152, 2016.
- Engerman, S. and K. Sokoloff. (2000) "History Lessons: Institutions, Factor Endowments, and Paths of Development in the New World." *Journal of Economic Perspectives* 14(3), pp. 217-232, 2000.
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- Nunn, N. and D. Puga. "Ruggedness: The Blessing of Bad Geography in Africa." *Review of Economics and Statistics* 94(1), pp. 20-36, 2012.
- Nunn, N. and N Qian. "The Potato's contribution to Population and Urbanization: Evidence from a Historical Experiment." *Quarterly Journal of Economics* 126(2), pp.593-650, 2011.
- Spolaore, E. and R. Wacziarg. "How Deep are the Roots of Economic Development?" *Journal of Economic Literature* 51(2), pp. 325-369, 2013.

6. Multidimensional Poverty

- Alkire, S. and J.E. Foster. "Counting and Multidimensional Poverty Measurement." *Journal of Public Economics*, 95, 2011, pp. 476-487.
- Alkire, S. J.E. Foster. "Understandings and Misunderstandings of Multidimensional Poverty Measurement." OPHI Working Paper No. 43, May 2011.
- Anand, S., and A. Sen. *Concepts of Human Development and Poverty: A Multidimensional Perspective*. New York: UNDP, 1997.
- Atkinson, A., "Multidimensional Deprivation. Contrasting Social Welfare and Counting Approaches." *Journal of Economic Inequality*, 1(1), 2003, 51-65
- Bourguignon, F., and S. Chakravarty. "The Measurement of Multidimensional Poverty." *Journal of Economic Inequality*. 1(1), 2003, 25-49.
- Ferreira, F. H. G., and M. A. Lugo, "Multidimensional Poverty Analysis: Looking for a Middle Ground." *The World Bank Research Observer*, 28 (2), 220-235, August, 2013.

- Kakwani, N. and J. Silber, “Multidimensional Poverty Analysis: Conceptual Issues, Empirical Illustrations and Policy Implications: Introduction.” Introduction to special issue of *World Development*, 36(3), 2008, 987-91. [Note: Please do not do a reaction piece to this article.]
- Kakwani, N. and J. Silber. *The Many Dimensions of Poverty*. New York: Palgrave MacMillan (for UNDP), 2007.
- Ravallion, M. “On Multidimensional Indices of Poverty.” *Journal of Economic Inequality*, 9, 235-48, 2011.
- Thorbecke, E. “Multidimensional Poverty: Conceptual and Measurement Issues,” in *The Many Dimensions of Poverty*, Kakwani, N. and J. Silber (eds.), New York: Palgrave MacMillan (for UNDP), 2007. (Conference version of paper, 2005).
- Social Indicators Research*, 112 (2), 2013. Special issue on multidimensional poverty.

7. Anti-Poverty Policies: Conditional Cash Transfers (CCTs)

- Agüero, Jorge; Michael Carter and Ingrid Woolard. “The Impact of Unconditional Cash Transfers on Nutrition: The South African Child Support Grant.” Mimeo, 2009.
- Alatas, V., A. Banerjee, R. Hanna, B. Olken, and J. Tobias. “Targeting the Poor: Evidence from a Field Experiment in Indonesia.” *American Economic Review* 102:4, 1206-1240, 2012.
- Angelucci, Manuela, and Giacomo De Giorgi. “Indirect Effects of an Aid Program: How do Cash Transfers Affect Ineligibles’ Consumption?” *American Economic Review* 99:1, 486–508, 2009.
- Barrera-Osorio, Felipe, M. Bertrand, L.L. Linden, F. Perez-Calle, “Conditional Cash Transfers in Education: Design Features, Peer and Sibling Effects: Evidence from a Randomized Experiment in Colombia,” NBER Working Paper 13890, March 2008.
- Das, Jishnu, Quy-Toan Do, and Berk Özler, “Reassessing Conditional Cash Transfer Programs,” *World Bank Research Observer*, 20(1): 57-80, Spring 2005.
- de Janvry, Alain, F. Finan, and E. Sadoulet, R. Vakis. “Can Conditional Cash Transfer Programs Serve as Safety Nets in Keeping Children at School and From Working when Exposed to Shocks?” *Journal of Development Economics* 79: 349-73, 2006.
- de Janvry, Alain, and E. Sadoulet. “Making Conditional Cash Transfer Programs More Efficient: Designing for Maximum Effect of the Conditionality.” *The World Bank Economic Review* 20:1, 1-29, 2006.
- Ferreira, Francisco H. G., D. Filmer, and N. Schady, “Own and Sibling Effects of Conditional Cash Transfer Programs Theory and Evidence from Cambodia,” World Bank Policy Research Working Paper 5001, July 2009.
- Fiszbein, A., N. Schady. *Conditional Cash Transfers: Reducing Present and Future Poverty*. Washington, D.C.: World Bank, 2009.
- Ham, A., and H. Michelson. “Does the form of delivering incentives in conditional cash transfers matter over a decade later?” *Journal of Development Economics*, 134: 96-108, 2018.
- Heinrich, C. “Demand and Supply-Side Determinants of Conditional Cash Transfer Program Effectiveness.” *World Development* 35:1, 121-43, 2007.
- Rawlings, Laura B. and Gloria M. Rubio, “Evaluating the Impact of Conditional Cash Transfer Programs,” *World Bank Research Observer*, 20(1): 29-55, Spring 2005.

CCTs and Potential Synergies

- Hoddinott, John, “Social Safety Nets and Productivity Enhancing Investments in Agriculture.” International Food Policy Research Institute, mimeo, January 2008.

- Macours, K., P. Premand, R. Vakis, “Transfers, Diversification and Household Risk Strategies: Experimental Evidence with Lessons for Climate Change Adaptation.” World Bank Policy Research Working Papers 6053, April 2012.
- Todd, J., P. Winters and T. Hertz, “Conditional Cash Transfers and Agricultural Production: Lessons from the Oportunidades Experience in Mexico,” *Journal of Development Studies*, 46(1), January 2010.
- Sabates-Wheeler, R., S. Devereux, B. Guenther, “Building Synergies between Social Protection and Smallholder Agricultural Policies.” Future Agriculture Consortium, Working Paper 006, January 2009.

Recent NBER Papers on CCTs

- Cahyadi, N., R. Hanna, B. Olken, R. Prima, E. Satriawan, and E. Syamsulhakim. “Cumulative Impacts of Conditional Cash Transfer Programs: Experimental Evidence from Indonesia.” NBER Working Paper 24670, May 2018.
- Barrera-Osorio, F., L. Linden, and J. Saavedra, “Medium- and Long-Term Educational Consequences of Alternative Conditional Cash Transfer Designs: Experimental Evidence from Colombia.” NBER Working Paper 23275, March 2017
- García, S., and J. Saavedra, “Educational Impacts and Cost-Effectiveness of Conditional Cash Transfer Programs in Developing Countries: A Meta-Analysis.” NBER Working Paper 23594, July 2017.
- Parker, S., and T. Vogl. “Do Conditional Cash Transfers Improve Economic Outcomes in the Next Generation? Evidence from Mexico.” NBER Working Paper 24303, February 2018.

8. Income Diversification and Pathways Out of Poverty

- Bezu, S. and C. B. Barrett. 2012. “Employment Dynamics in the Rural Nonfarm Sector in Ethiopia: Do the Poor Have Time on Their Side?” *Journal of Development Studies* 48(9): 1223-1240.
- Bezu, S., C.B. Barrett and S. Holden. 2012. “Does the Non-Farm Economy Offer Pathways for Upward Mobility? Evidence from a Panel Data Study in Ethiopia.” *World Development* 40(8): 1634-1646.
- Chawanote, C. and C.B. Barrett, 2014. “Farm and Non-farm Occupational and Earnings Dynamics in Rural Thailand,” Mimeo, February.
- Christiaensen, Luc, and Yasuyuki Todo, “Poverty Reduction during the Rural-Urban Transformation - The Role of the Missing Middle ,” Mimeo, May 2009.
- Davis, B., P. Winters, T. Reardon, and K. Stamoulis. 2009. “Rural Nonfarm Employment and Farming: Household-Level Linkages,” *Agricultural Economics*, Vol. 40, pp. 119-23.
- Deichmann, Uwe, Forhad Shilpi, and renos Vakis. 2008. “Urban Proximity, Agricultural Potential and Rural Non-farm Employment: Evidence from Bangladesh,” *World Development*, 37(3), pp. 645-60.
- Ellis, Frank, *Rural Livelihoods and Diversity in Developing Countries*, New York: Oxford University Press, 2000.
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- Foster, Andrew, and M. Rosenzweig, "Economics Development and the Decline of Agricultural Employment," chapter 47 in *Handbook of Development Economics, Volume 4*, Elsevier, 2008.
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- Jonasson, Erik, and Steven Helfand, "How Important are Locational Characteristics for Rural Non-Agricultural Employment? Lessons from Brazil," *World Development*, V. 38, N. 5, 2010, pp. 727-741.
- Lanjouw, Peter. 2007. "Does the Rural Nonfarm Economy Contribute to Poverty Reduction?," chapter 3 in Haggblade, Hazell, & Reardon (eds), *Transforming the Rural Nonfarm Economy*. Baltimore: Johns Hopkins University Press.
- Lanjouw, Peter, and Rinku Murgai. 2009. "Poverty Decline, Agricultural Wages, and Nonfarm Employment in Rural India: 1983-2004," *Agricultural Economics*, Vol. 40, pp. 243-63.
- Laszlo, S. "Self-Employment Earnings and Returns to Education in Rural Peru." *Journal of Development Studies*, 41(7), 1247-1287, 2005.
- McCulloch, Neil, Julian Weisbrod, C. Peter Timmer., 2007. "Pathways Out of Poverty During an Economic Crisis: An Empirical Assessment of Rural Indonesia," World Bank Policy Research Working Paper 4173, March.
- Nargis, N. and M. Hossain, 2006. "Income Dynamics and Pathways Out of Rural Poverty in Bangladesh, 1988-2004." *Agricultural Economics* 35: 425-435.
- Oseni, Gbemisola, and Paul Winters. 2009. "Rural Nonfarm Activities and Agricultural Crop Production in Nigeria," *Agricultural Economics*, Vol. 40, pp. 189-201.
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- Reardon, Thomas, Julio Berdegue, and German Escobar, "Rural Nonfarm Employment and Incomes in Latin America: Overview and Policy Implications," *World Development*, V. 29, N. 3, March 2001, pp. 395-409.
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9. Agricultural Household Models and Rural Poverty

- Sadoulet Elisabeth, and Alain de Janvry. 1995. *Quantitative Development Policy Analysis*, Baltimore: Johns Hopkins University Press. Read chapter 6.
- Singh, Inderjit, Lyn Squire, and John Strauss (eds.). 1986. *Agricultural Household Models*. Baltimore: Johns Hopkins University Press.

- Azam, Jean-Paul, and Timothy Besley. 1991. "Peasant Supply Response under Rationing: The Role of the Food Market," *European Journal of Political Economy* 7:331-43.

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- Becker, Gary. 1965. "A Theory of the Allocation of Time," *Economic Journal* 75:493-517.
- Benjamin, Dwayne. 1992. "Household Composition, Labor Markets, and Labor Demand: Testing for Separation in Agricultural Household Models," *Econometrica* 60:287-322.
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- Jacoby, H.G. and Bart Minten, "On Measuring the Benefits of Lower Transportation Costs," *Journal of Development Economics*, 89, 2009, pp. 28-38.
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- Sadoulet, E., Alain de Janvry and C. Benjamin, "Labor Market Imperfections and Selective Separability in Household Models: A Predictive Typology of Mexican Ejidatarios," mimeo.
- Taylor, J.E., G. Dyer, and A. Yúnez-Naude. 2005. "Disaggregated Rural Economywide Models for Policy Analysis," *World Development*, 33(10): 1671-88.
- Udry, C. 1996. "Gender, Agricultural Production, and the Theory of the Household." *Journal of Political Economy* 104, pp. 1010-46.

10. Farm Size and Productivity: The Inverse Relationship Debate

Sadoulet Elisabeth, and Alain de Janvry. 1995. *Quantitative Development Policy Analysis*, Baltimore: Johns Hopkins University Press. Read chapter 9.

- Assunção, J. and L. Braido, 2007. "Testing Household-Specific Explanations for the Inverse Productivity Relationship," *American Journal of Agricultural Economics* 89(4): 980-90.
- Barrett, C. B. 1996. "On Price Risk and the Inverse Farm Size-Productivity Relationship," *Journal of Development Economics* 51(2):193-216.

- Barrett, C. B., M.F. Bellemare, and J.Y. Hou, 2010. "Reconsidering Conventional Explanations of the Inverse Productivity-Size Relationship," *World Development*, 38(1), 88-97.
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- Bevis, Leah E.M., and Christopher B. Barrett. 11/2016. "Close to the Edge: Do Behavioral Explanations Account for the Inverse Productivity Relationship?" Paper presented at Pacific Conference for Development Economics (PacDev), UCR, 3/2017.
- Carletto, Calogero, Sara Savastano, and Alberto Zezza, 2013. "Fact or Artifact: The Impact of Measurement Errors on the Farm Size–Productivity Relationship," *Journal of Development Economics*, 103, 254-261.
- Carter, M. 1984. "Identification of the Inverse Relationship between Farm Size and Productivity," *Oxford Economic Papers* 36:131-45.
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