

Desenvolvimento Econômico
PIMES/UFPE

Horario e Local:

Quintas e sextas, 14-16h
Sala C-2

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Sala: 109

Atendimento: agendamento via e-mail

DESCRIÇÃO DO CURSO:

Este curso examina a literatura atual sobre a microeconomia do desenvolvimento nos países pobres. Cobriremos riscos, restrições de crédito e seguros, investimento em capital humano (educação e saúde), conflitos, migração e o papel das redes e instituições sociais. As primeiras semanas do curso são focadas em uma visão geral da econometria aplicada, onde examinamos técnicas econométricas que os pesquisadores usam para identificar relações causais.

OBJETIVOS

1. O primeiro objetivo é fornecer uma visão crítica da literatura atual sobre desenvolvimento do ponto de vista microeconômico e dos debates centrais sobre desenvolvimento econômico.
2. O segundo objetivo é compreender as questões econométricas e metodológicas que surgem quando se faz investigação sobre desenvolvimento econômico. Em particular, iremos concentrar-nos na forma como as hipóteses podem ser testadas com dados e como identificar relações causais.
3. O terceiro objetivo é preparar os alunos para realizar pesquisas originais em micro aplicada e ajudar a identificar possíveis temas de dissertação/tese.

REQUISITOS

1. Ler os artigos obrigatórios antes da aula, assistir a todas as aulas e participar das discussões em sala.
2. Apresentar artigos designados e conduzir a discussão em classe sobre esse artigo. A discussão resumirá o artigo, discutirá o modelo teórico e os principais pressupostos, discutirá a estratégia de identificação empírica, apresentará os resultados e, em seguida, discutirá os pontos fracos mais importantes do artigo e fornecerá sugestões para pesquisas futuras sobre esse tópico.
3. Replicar um artigo de pesquisa empírica para entrega no último dia de aula. A replicação deve conter todos os resultados relevantes do artigo original e deve ser escrito num formato de relatório, explicando todo o processo de estimação e interpretação dos resultados obtidos.
4. Elaborar um projeto de pesquisa contendo seções descrevendo: (i) a questão/pergunta da pesquisa e por que ela é relevante, (ii) discussão da literatura relacionada com uma explicação de como este artigo avança essa literatura, (iii) apresentação de dados e (iv) discussão de estratégias de identificação.
5. Cada aluno fará uma apresentação do seu artigo/proposta de pesquisa. Discutiremos os detalhes da apresentação no final do semestre.

Os alunos são fortemente incentivados a participar dos seminários aplicados (quintas-feiras, às 16h00). Participar de seminários é uma boa maneira de aprender sobre tópicos de pesquisa atuais, ver trabalhos em andamento e aprender como fazer apresentações orais e responder perguntas.

AValiação

A nota do curso compreenderá: Projeto de pesquisa (30%), apresentação do projeto (10%), apresentação dos artigos para discussão em sala (25%), relatório sobre a replicação de pesquisa original (15%), e discussão em sala de aula (20%).

BIBLIOGRAFIA:

Não há um livro-texto padrão para o curso. As aulas serão baseadas em várias fontes diferentes, incluindo artigos de pesquisa selecionados, descritos abaixo no Programa do Curso (Tentativo). No entanto, os tópicos do curso serão baseadas em dois livros-texto importantes:

- Ray, Debraj. 1998. *Development Economics*. Princeton University Press.
- Bardhan, Pranab and Christopher Udry. 1999. *Development Microeconomics*. Oxford University Press.

Para discussões técnicas sobre ferramentas econométricas aplicadas a este curso, os alunos podem consultar os seguintes livros:

- *Mostly Harmless Econometrics*, by Joshua Angrist and Jörn-Steffen Pischke.
- *The Effect: An Introduction to Research Design and Causality*, by Nick Huntington-Klein. Uma versão online gratuita pode ser encontrada [aqui](#).
- *Causal Inference: The Mixtape*, by Scott Cunningham

POLÍTICAS DO CURSO:

Para criar um ambiente de aprendizado eficaz para todos os alunos, por favor, chegue pontualmente às aulas e evite comportamentos que possam ser perturbadores para os colegas. As discussões em sala de aula devem ser respeitadas tanto com os colegas quanto com pontos de vista divergentes.

Os slides das aulas serão disponibilizados no **Classroom**. Nenhum material do curso deve ser compartilhado com pessoas não registradas no curso.

Frequência às aulas é extremamente recomendada. Todos os alunos são assumidos estarem cientes de qualquer anúncio feito em sala de aula, mesmo quando os mesmos não estejam presentes.

CONTEUDO PROGRAMÁTICO (TENTATIVO):

Os artigos marcados com * são de leitura obrigatória e serão utilizados como base para discussão em sala de aula; os outros artigos listados são leituras básicas e serão referidos conforme o tempo e o interesse permitirem.

I. Visão Geral sobre Econometria Aplicada

Angrist, Joshua and Alan Krueger. 1999. "Empirical Strategies in Labor Economies" in *Handbook of Labor Economics*, Vol. 3, Orley Ashenfelter and David Card, editors.

Meyer, Bruce D. 1995. "Natural and Quasi-Experiments in Economics," *Journal of Business and Economic Statistics*, 13(2), 151-161. Longer version is NBER Technical Working Paper 170.

Angrist, Joshua and Alan Krueger. 2001. "Instrumental Variables and the Search for Identification: From Supply and Demand to Natural Experiments," *Journal of Economic Perspectives*, 15(4), 69-85.

Freeman, David. 1991. "Statistical Models and Shoe Leather." *Sociological Methodology*, 21:291-313.

Roth, J., Sant'Anna, P. H., Bilinski, A., & Poe, J. 2023. "What's trending in difference-in-differences? A synthesis of the recent econometrics literature", *Journal of Econometrics*, 235(2), 2218-2244.

Lee, David and Thomas Lemieux. 2009. "Regression Discontinuity Designs in Economics," NBER Working Paper 14723.

Duflo, Esther, Rachel Glennerster, and Michael Kremer. 2006. "Using Randomization in Development Economics Research: A Toolkit." NBER Technical Working Paper No. 333 [<http://www.nber.org/papers/t0333>]

Athey, S., & Imbens, G. W. 2017. "The state of applied econometrics: Causality and policy evaluation," *Journal of Economic perspectives*, 31(2), 3-32.

II. Investimentos em Capital Humano

A. Educação

*Akresh, Richard, Daniel Halim, and Marieke Kleemans. "Long-term and intergenerational effects of education: Evidence from school construction in Indonesia." *The Economic Journal* 133, no. 650 (2023): 582-612.

*Romero, M., Sandefur, J., & Sandholtz, W. A. 2020. "Outsourcing education: Experimental evidence from Liberia." *American Economic Review*, 110(2), 364-400.

Duflo, Esther. 2001. "Schooling and Labor Market Consequences of School Construction in Indonesia: Evidence from an Unusual Policy Experiment," *American Economic Review*, 91(4), 795-813.

Yang, Dean and Sharon Maccini. 2009. "Under the Weather: Health, Schooling, and Economic Consequences of Early-Life Rainfall." *American Economic Review*, 99(3): 1006-1026.

Kremer M., Miguel E. and Thornton R. 2009. "Incentives to Learn," *Review of Economics and Statistics*, 91 (3), 437-456.

Berry, J. 2015. "Child control in education decisions: An evaluation of targeted incentives to learn in India". *Journal of Human Resources*, 50(4), 1051-1080.

Jensen, Robert. 2010. "The (Perceived) Returns to Education and the Demand for Schooling," *Quarterly Journal of Economics*, 125(2): 515-548.

Behrman, J. R., Parker, S. W., Todd, P. E., & Wolpin, K. I. 2015. "Aligning learning incentives of students and teachers: Results from a social experiment in Mexican high schools." *Journal of Political Economy*, 123(2), 325-364.

Kremer, Michael, Paul Glewwe, Sylvie Moulin, and Eric Zitzewitz. 2004. "Retrospective vs. Prospective Analyses of School Inputs: The Case of Flip Charts in Kenya", *Journal of Development Economics*, 74(1), 251-268.

B. Saúde e Nutrição

*Björkman Nyqvist, M., Corno, L., De Walque, D., & Svensson, J. 2018. "Incentivizing safer sexual behavior: evidence from a lottery experiment on HIV prevention." *American Economic Journal: Applied Economics*, 10(3), 287-314.

*Dias, M., Rocha, R., & Soares, R. R. 2023. "Down the river: Glyphosate use in agriculture and birth outcomes of surrounding populations." *Review of Economic Studies*, 90(6), 2943-2981.

Kremer, Michael and Edward Miguel. 2004. "Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities." *Econometrica*, 72(1), 159-217.

Field, Erica, Omar Robles, and Maximo Torero. 2009. "Iodine Deficiency and Schooling Attainment in Tanzania." *American Economic Journal: Applied Economics*, 1(4): 140-169.

Akresh, Richard, Leonardo Lucchetti, and Harsha Thirumurthy. 2012. "Wars and Child Health: Evidence from the Eritrean-Ethiopian Conflict." *Journal of Development Economics*, 99(2): 330-

Cohen, Jessica and Pascaline Dupas. 2010. "Free Distribution or Cost Sharing? Evidence from a Randomized Malaria Prevention Experiment." *Quarterly Journal of Economics*, 125(1): 1-45.

Robinson, Jonathan and Ethan Yet. 2011. "Transactional Sex as a Response to Risk in Western Kenya." *American Economic Journal: Applied Economics*, 3(1): 35-64.

Bleakley, Hoyt. 2010. "Malaria Eradication in the Americas: A Retrospective Analysis of Childhood Exposure." *American Economic Journal: Applied Economics*, 2(2): 1-45.

Thomas, Duncan, et al. 2005. "Iron Deficiency and the Well-Being of Older Adults: Early Results from a Randomized Nutrition Intervention." Manuscript, UCLA.

Maluccio, John, John Hoddinott, Jere Behrman, Reynaldo Martorell, Agnes Quisumbing, and Arych Stein, 2009. "The Impact of Improving Nutrition During Early Childhood on Education among Guatemalan Adults." *Economic Journal*, 119(537): 734-763.

Strauss, John and Duncan Thomas. 1998. "Health, Nutrition and Economic Development", *Journal of Economic Literature* 36(2): 766-817

Thomas, Duncan and John Strauss. 1997. "Health and Wages: Evidence on Men and Women in Urban Brazil." *Journal of Econometrics*, 77, 159-185.

Bundervoet, Tom, Philip Verwimp, and Richard Akresh. 2009. "Health and Civil War in Rural Burundi." *Journal of Human Resources*, 44(2), 536-563.

Akresh, Richard, Philip Verwimp, and Tom Bundervoet. 2011. "Civil War, Crop Failure, and Child Stunting in Rwanda." *Economic Development and Cultural Change*, 59(4): 777-810.

Kuziemko, Iliyana and Seema Jayachandran. 2011. "Why Do Mothers Breastfeed Girls Less than Boys: Evidence and Implications for Child Health in India." *Quarterly Journal of Economics*, 126(3): 1485-1538.

Baird, Sarah, Joan Hamory Hicks, Michael Kremer, and Edward Miguel. 2011. "Worms at Work: Long-run Impacts of Child Health Gains." Working paper.

C. Cash Transfers

*Gerard, François, Joana Naritomi, and Joana Silva. "Cash transfers and formal labor markets: Evidence from Brazil." (2021). *Working Paper*.

*Egger, D., Haushofer, J., Miguel, E., Niehaus, P., & Walker, M. 2022. "General equilibrium effects of cash transfers: experimental evidence from Kenya". *Econometrica*, 90(6), 2603-2643.

Baird, Sarah, Craig McIntosh, and Berk Ozler. 2011. "Cash or Condition? Evidence from a Randomized Cash Transfer Program." *Quarterly Journal of Economics*, 126(4): 1709-1753.

Akresh, Richard, Damien de Walque, and Harounan Kazianga. 2013. "Cash Transfers and Child Schooling: Evidence from a Randomized Evaluation of the Role of Conditionality." *World Bank Policy Research Working Paper* 6340.

Barrera-Osorio, Felipe, Marianne Bertrand, Leigh Linden, and Francisco Perez. 2011. "Improving the Design of Conditional Transfer Programs: Evidence from a Randomized Education Experiment in Colombia." *American Economic Journal: Applied Economics*, 3(2): 167-195.

Benhassine, Najy, Florencia Devoto, Esther Duflo, Pascaline Dupas, and Victor Poulliquen. 2015. "Turning a Shove into a Nudge? A 'Labeled Cash Transfer' for Education." *American Economic Journal: Economic Policy*, 7(3), 86-125.

III. Migração

*Bazzi, Samuel, Arya Gaduh, Alexander D. Rothenberg, and Maisy Wong. "Skill transferability, migration, and development: Evidence from population resettlement in Indonesia." *American Economic Review* 106, no. 9 (2016): 2658-2698.

*Becker, S. O., Grosfeld, I., Grosjean, P., Voigtländer, N., & Zhuravskaya, E. 2020. "Forced migration and human capital: Evidence from post-WWII population transfers," *American Economic Review*, 110(5), 1430-1463.

Anelli, Massimo, Gaetano Basso, Giuseppe Ippedico, and Giovanni Peri. "Emigration and entrepreneurial drain." *American Economic Journal: Applied Economics* 15, no. 2 (2023): 218-252.

Abramitzky, R., Boustan, L., Jácome, E., Pérez, S., & Torres, J. D. 2024. "Law-abiding immigrants: The incarceration gap between immigrants and the US-born, 1870–2020." *American Economic Review: Insights*, 6(4), 453-471.

Yang, Dean. "Migrant remittances." *Journal of Economic perspectives* 25, no. 3 (2011): 129-152.

Clemens, M. A., and D. McKenzie. 2009. "Think again: Brain drain." *Foreign Policy* 22.

Clemens, Michael A. 2011. "Economics and emigration: Trillion-dollar bills on the sidewalk?." *Journal of Economic perspectives* 25, no. 3 83-106.

IV. Tecnologia

*Hjort, Jonas, and Jonas Poulsen. 2019. "The arrival of fast internet and employment in Africa." *American Economic Review*, 109, no. 3 1032-1079.

*Manacorda, M., & Tesei, A. 2020. "Liberation technology: Mobile phones and political mobilization in Africa." *Econometrica*, 88(2), 533-567.

Jensen, Robert and Emily Oster. 2009. "The Power of TV: Cable Television and Women's Status in India." *Quarterly Journal of Economics*, 124(3): 1057-1094.

Aker, Jenny, Paul Collier, and Pedro Vicente. 2013. "Is Information Power? Using Mobile Phones and Free Newspapers during an Election in Mozambique." Working paper.

Aker, Jenny, Christopher Ksoll, and Travis Lybbert. 2012. "Can Mobile Phones Improve Learning? Evidence from a Field Experiment in Niger." *American Economic Journal: Applied Economics*, 4(4): 94-120.

V. Capacidade Estatal e Prestação de Serviços Públicos

*Balán, Pablo, Augustin Bergeron, Gabriel Tourek, and Jonathan L. Weigel. "Local elites as state capacity: How city chiefs use local information to increase tax compliance in the democratic republic of the Congo." *American Economic Review* 112, no. 3 (2022): 762-797.

*Martínez, L. R. 2023. "Natural resource rents, local taxes, and government performance: Evidence from Colombia." *Review of Economics and Statistics*, 1-28.

Weigel, Jonathan L. "The participation dividend of taxation: How citizens in Congo engage more with the state when it tries to tax them." *The Quarterly Journal of Economics* 135, no. 4 (2020): 1849-1903.

Besley, Timothy, and Torsten Persson. "Taxation and development." In *Handbook of public economics*, vol. 5, pp. 51-110. Elsevier, 2013.

Besley, Timothy, and Torsten Persson. "Why do developing countries tax so little?." *Journal of economic perspectives* 28, no. 4 (2014): 99-120.

Carrillo, Paul, Dina Pomeranz, and Monica Singhal. "Dodging the taxman: Firm misreporting and limits to tax enforcement." *American Economic Journal: Applied Economics* 9, no. 2 (2017): 144-164.

Naritomi, Joana. "Consumers as tax auditors." *American Economic Review* 109, no. 9 (2019): 3031-3072.

Zhuravskaya, Ekaterina V. "Incentives to provide local public goods: fiscal federalism, Russian style." *Journal of public economics* 76, no. 3 (2000): 337-368.

Hjort, Jonas, Diana Moreira, Gautam Rao, and Juan Francisco Santini. "How research affects policy: Experimental evidence from 2,150 Brazilian municipalities." *American Economic Review* 111, no. 5 (2021): 1442-1480.

Bjorkman, Martina, and Jakob Svensson. 2009. "Power to the People: Evidence from a Randomized Field Experiment of Community-Based Monitoring in Uganda." *Quarterly Journal of Economics* 124 (2): 735-769.

Dell, Melissa, Nathan Lane, and Pablo Querubin. "The historical state, local collective action, and economic development in Vietnam." *Econometrica* 86, no. 6 (2018): 2083-2121.

VI. Corrupção

*Colonnelli, Emanuele, and Mounu Prem. "Corruption and firms." *The Review of Economic Studies* 89, no. 2 (2022): 695-732.

*Sánchez De La Sierra, R., Titeca, K., Xie, H., Lameke, A. A., & Malukisa Nkuku, A. 2024. "The real state: Inside the Congo's traffic police agency." *American Economic Review*, 114(12), 3976-4014.

Ferraz, Claudio and Frederico Finan. 2008. "Exposing Corrupt Politicians: The Effect of Brazil's Publicly Released Audits on Electoral Outcomes." *Quarterly Journal of Economics*, 123(2): 703-745.

Olken, Ben and Patrick Barron. 2009. "The Simple Economics of Extortion: Evidence from Trucking in Aceh." *Journal of Political Economy*, 117(3): 417-452

Marx, B., Stoker, T. M., & Suri, T. 2019. There is no free house: Ethnic patronage in a Kenyan slum. *American Economic Journal: Applied Economics*, 11(4), 36-70.

Olken, Benjamin A. "Monitoring corruption: evidence from a field experiment in Indonesia." *Journal of political Economy* 115, no. 2 (2007): 200-249.

Bobonis, Gustavo J., Luis R. Cámara Fuertes, and Rainer Schwabe. "Monitoring corruptible politicians." *American Economic Review* 106, no. 8 (2016): 2371-2405.

Brollo, Fernanda, Tommaso Nannicini, Roberto Perotti, and Guido Tabellini. "The political resource curse." *American Economic Review* 103, no. 5 (2013): 1759-1796.

VII. Crime

*Brown, Z. Y., Montero, E., Schmidt-Padilla, C., & Sviatschi, M. M. 2024. "Market structure and extortion: Evidence from 50,000 extortion payments." *Review of Economic Studies*, 10(3), 287-314.

*Sviatschi, Maria Micaela. 2022. "Making a narco: Childhood exposure to illegal labor markets and criminal life paths." *Econometrica* 90, no. 4 : 1835-1878.

Blattman, Christopher, Gustavo Duncan, Benjamin Lessing, and Santiago Tobón. Gang rule: Understanding and countering criminal governance. No. w28458. *National Bureau of Economic Research*, 2021.

Britto, Diogo GC, Paolo Pinotti, and Breno Sampaio. "The effect of job loss and unemployment insurance on crime in Brazil." *Econometrica* 90, no. 4 (2022): 1393-1423.

VIII. Conflito

A. Impactos do conflito

*Bruhn, J., Greenberg, K., Gudgeon, M., Rose, E. K., & Shem-Tov, Y. 2024." The effects of combat deployments on veterans' outcomes." *Journal of Political Economy*, 132(8), 2830-2879.

Jakiela, P., & Ozier, O. 2019. "The impact of violence on individual risk preferences: Evidence from a natural experiment." *Review of Economics and Statistics*, 101(3), 547-559.

Blattman, Christopher and Jeannie Annan. 2010. "The Consequences of Child Soldiering." *Review of Economics and Statistics*, 92(4): 882-898.

Miguel, Edward and John Bellows. 2009. "War and Local Collective Action in Sierra Leone." *Journal of Public Economics*, 93(11-12): 1144-1157.

Akresh, Richard and Damien de Walque. 2011. "Armed Conflict and Schooling: Evidence from the 1994 Rwandan Genocide." Working paper.

Dell, M., and P. Querubin. 2018. Nation Building Through Foreign Intervention: Evidence from Discontinuities in Military Strategies. *The Quarterly Journal of Economics* 133 (2): 701-764.

B. Causas do Conflito

*De La Sierra, R. S. 2020. "On the origin of states: Stationary bandits and taxation in Eastern Congo". *Journal of Political Economy*, 128(1), 32-74.

Sonno, T. (2024). "Globalization and Conflicts: the Good, the Bad, and the Ugly of Corporations in Africa." *The Economic Journal*, ueae103.

McGuirk, E. F., & Nunn, N. 2025. "Transhumant pastoralism, climate change, and conflict in Africa." *Review of Economic Studies*, 92(1), 404-441.

Angrist, Joshua and Adriana Kugler. 2008. "Rural Windfall or a New Resource Curse? Coca, Income, and Civil Conflict in Colombia." *Review of Economics and Statistics*, 90(2), 191-215.

Dube, Oeindrila and Juan Vargas. 2013. "Commodity Price Shocks and Civil Conflict: Evidence from Colombia." *Review of Economic Studies*, 80(4): 1384-1421.

Yanagizawa-Drott, D. 2014. "Propaganda and conflict: Evidence from the Rwandan genocide". *The Quarterly Journal of Economics*, 129(4), 1947-1994.

Dell, Melissa, Benjamin Jones, and Benjamin Olken. 2012. "Temperature Shocks and Economic Growth: Evidence from the Last Half Century." *American Economic Journal: Macroeconomics*, 4(3): 66-95.

Miguel, Edward, Shanker Satyanath, and Ernest Sergenti. 2004. "Economic Shocks and Civil Conflict: An Instrumental Variables Approach" *Journal of Political Economy*, 112(4): 725-753.

Blattman, Christopher and Edward Miguel. 2010. "Civil War." *Journal of Economic Literature*, 48(1): 3-57.

Davis, Donald and David Weinstein. "Bones, Bombs, and Breakpoints: The Geography of Economic Activity." *American Economic Review*, 92(5): 1269-1289.

IX. Normas e Preferências Sociais

*Breza, E., Kaur, S., & Krishnaswamy, N. 2019. "Scabs: The social suppression of labor supply." *National Bureau of Economic Research working paper*.

*Bursztyn, L., González, A. L., & Yanagizawa-Drott, D. 2020. "Misperceived social norms: Women working outside the home in Saudi Arabia." *American economic review*, 110(10), 2997-3029.

Henrich, J., Boyd, R., Bowles, S., Camerer, C., Fehr, E., Gintis, H., & McElreath, R. 2001. "In Search of Homo Economicus: Behavioral Experiments in 15 SmallScale Societies." *American Economic Review: Papers & Proceedings*, 91(2)

Karing, A. 2024. "Social signaling and childhood immunization: a field experiment in Sierra Leone." *The Quarterly Journal of Economics*, 139(4), 2083-2133.

Munshi, Kaivan, and Mark Rosenzweig. 2006. "Traditional Institutions Meet the Modern World: Caste, Gender, and Schooling Choice in a Globalizing Economy." *American Economic Review*, 96(4), 1225-1252.

Munshi, Kaivan. 2003. "Networks in the Modern Economy: Mexican Migrants in the U.S. Labor Market." *Quarterly Journal of Economics*, 118(2), 549-599.

Fafchamps, Marcel and Susan Lund. 2003. "Risk-Sharing Networks in Rural Philippines." *Journal of Development Economics*, 71(2), 261-287.

X. Instituições, Cultura e História

*Bazzi, Samuel, Gabriel Koehler-Derrick, and Benjamin Marx. "The institutional foundations of religious politics: Evidence from Indonesia." *The Quarterly Journal of Economics* 135, no. 2 (2020): 845-911.

*Schulz, J. F. 2022. "Kin networks and institutional development." *The Economic Journal*, 132(647), 2578-2613.

Naritomi, J., Soares, R. R., & Assunção, J. J. 2012. "Institutional development and colonial heritage within Brazil." *The journal of economic history*, 72(2), 393-422.

Michalopoulos, S., & Papaioannou, E. 2013. "Pre-colonial ethnic institutions and contemporary African development." *Econometrica*, 81(1), 113-152.

Dell, Melissa. 2010. "The Persistent Effects of Peru's Mining Mita." *Econometrica*, 78(6): 1863-1903.

Nunn, Nathan. 2008. "The Long-Term Effects of Africa's Slave Trades," *Quarterly Journal of Economics*, 123(1): 139-176.

Field, Erica. 2007. "Entitled to Work: Urban Property Rights and the Labor Supply in Peru," *Quarterly Journal of Economics*, 122(4): 1561-1602.

Goldstein, Marcus and Chris Udry. 2008. "The Profits of Power: Land Rights and Agricultural Investment in Ghana." *Journal of Political Economy*, 116(6): 981-1022.

Acemoglu, Daron, Simon Johnson, and James Robinson. 2001. "Colonial Origins of Comparative Development: An Empirical Investigation." *American Economic Review*, 91(5): 1369-1401.