

Syllabus Fall 2022
Harvard Kennedy School of Government
Harvard University

**ECONOMIC DEVELOPMENT: THEORY AND EVIDENCE
DEV-101**

Class in Fall 2022: Tue/Thu 10:30-11:45am, Wexner-436
Review Sessions: Friday, 9-10:15am and 10:30-11:45, Littauer-140

First day of class is Thursday, September 1st, 2022

<p>Professor Eliana La Ferrara</p> <p>Office hours: Wednesdays, 4:30-6:30pm or by appointment (sign up here)</p> <p>Assistant: Christine Dziuba, christine_dziuba@hks.harvard.edu</p>	<p>Professor Dani Rodrik</p> <p>Office hours: Mondays, 10am-12pm or by appointment (sign up here)</p> <p>Assistant: Jessica De Simone, jessica_de_simone@hks.harvard.edu</p>
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COURSE INFORMATION

DEV-101 is a semester-long course that evaluates theories of economic (under)development and scrutinizes empirical evidence to understand key features of the economic development processes across countries. The course will utilize analytical frameworks, grounded in economic theory, to examine the determinants of factor accumulation by individuals, firms and societies, and productivity and efficiency of resource allocation across activities and time. Drawing on empirical evidence and country illustrations, we will evaluate the relevance of these frameworks for diagnosing root causes of economic development and to develop an understanding of how the judicious use of theory and empirics can provide guidance for economic policy reforms. The course is organized along the following broad sections: (i) a methodological overview, with an emphasis on analytical frameworks for understanding economic growth, factor accumulation and institutional outcomes; (ii) an historical overview of comparative economic development, with focus on the Industrial Revolution, the Great Divergence, and colonialism; (iii) individual determinants and returns to investment in human capital (health and education), and financial capital (credit markets, savings behavior), and constraints to factor accumulation; (iv) determinants of productivity, with emphasis on resource misallocation within and across households/firms, poverty traps, learning and coordination and their impacts on productivity; (v) principles of economic reform and introduction to policy design.

Teaching fellow

Raul Duarte Gonzalez	rduarte@g.harvard.edu	Office Hours Wednesdays, 8:30-10:30am
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Course assistants

Vidisha Mehta	vmehta@hks.harvard.edu	Office Hours Tue, 3-4pm; Thu 12:30-1:30pm
Henrique Sosa	henriquesosa@hks.harvard.edu	Thursdays, 6-8pm
Dmitry Titkov	dtitkov@hks.harvard.edu	Tuesdays, 6-8pm

COURSE REQUIREMENTS AND GRADING

General requirements

Students are expected to prepare for each class by doing the required readings (see below), available on Canvas.

Grading rubric

Component	Grade x Unit	Total Grade
Quizzes	5 x 5	25
Assignments	10 x 2	20
Midterm		20
Final		35
Total		100

Assignments and exams

The assignments and exams will test understanding of concepts taught in class lectures, discussions, and required readings, and the ability to apply these insights to policy situations. We will have two long assignments and five shorter quizzes. Assignments and quizzes must be submitted online on Canvas before the scheduled time. One point per 24-hour period will be deducted for late assignments. (However, if you face technical difficulties in submitting then get in touch with the teaching team immediately.)

Regrading policy

On receiving your exam or assignment score, look carefully through the suggested answers and comments provided by the teaching team. Students who still wish to submit their answer sheets for regrading, should write a detailed email to the teaching team explaining their reason to contest a score **within one week** from the date that the graded assignment is returned to the class. The teaching team will assign a different grader from the original one and re-evaluate the **entire** assignment/exam and determine whether a change in points is mandated across any question, including the ones not highlighted/contested by the student. This process may take up to a week and the outcome will be final. Keep in mind, that the teaching team puts in a great deal of thought and effort in their assessments, and you are encouraged to be cautious/prudent in raising a re-grading issue.

TF review sessions

The live review sessions will go over concepts covered in class that may need more elaboration/discussion. As and when required, they will cover short summaries of additional empirical work that is closely related to what we have studied and can help in expanding your knowledge base. The additional material covered can enrich your responses to questions in the exams or problem sets, but it will not be directly tested upon and you are not required to read the papers on which it will be based. The TF will hold office hours, in case any students would like to go over session content.

READING LIST INFORMATION

The reading list below includes the URLs for those papers that can be downloaded from the internet. The majority of the papers and articles for this course are available on the Canvas site. If the links become broken then you can find the articles by searching Harvard library's E-Journals using the following link: http://sfx.hul.harvard.edu/sfx_local/az/. Type in the journal name and select a database that has issues for the year of the article. Each database is set up differently, but the citation will have all the information necessary to obtain the article.

All required reading for this course is available on the class page on Canvas. ***Please check Canvas frequently for announcements and other information.***

Readings marked with ** are required readings for this class. These are usually papers that set the tone for a module or provide an overarching understanding of the material that will be covered in class. Readings with * are readings that are strongly recommended; these will deepen your understanding of the material and will provide you with additional material you can use in writing better answers in exams. Some readings without any stars may also be referred to in the lectures or review sessions. These papers may be important examples of the material being discussed and contribute towards enriching your knowledge on the topic. While you don't need to read these papers, you will be expected to know their content to the extent that is covered in the lectures and review sessions. Keep in mind that the goal of the syllabus is to create a resource for you that you can use to extend the breadth and depth of your knowledge on development economics throughout your MPAID studies and beyond.

Eligibility

The class is a core requirement for students in the MPA/ID program. Non-MPA/ID students will not be admitted to the course. Auditors are not allowed.

Academic Integrity

Students are encouraged to work together and discuss class material and assignments. What is important is the eventual understanding of material achieved, and less about how that is achieved. Any exam, paper or assignment you submit is presumed to be your own original work, so if you do – as you will – use words or ideas written by other people, please make sure to cite these appropriately, and to indicate other students with whom you have collaborated. More information about Harvard's policies on academic integrity may be found in the Student Handbook.

IMPORTANT DATES AND COURSE STRUCTURE

	Day	Date	Topic	Lecturer
Part 1: Introduction and framework				
1	Thu	Sept 1	Stylized facts of economic development	DR
2	Tue	Sept 6	Doing development policy: the diagnostic approach	DR
3	Thu	Sept 8	Understanding productivity	DR
	Fri	Sept 9	Quiz #1 – Send in your response by 5pm	
	Sun	Sept 11	<i>*NOTE: This week's review sessions will not be held on Friday but rather at 4:00-5:15pm and 5:30-6:45pm on Sunday, Sept 11, L-140</i>	
Part 2: History and comparative development				
4	Tue	Sept 13	The Industrial Revolution and its sources	DR
5	Thu	Sept 15	Colonialism, the great divergence, and its present-day ramifications Assignment #1 –due at 8.30am	DR
	Sun	Sept 18	<i>*NOTE: This week's review sessions will not be held on Friday but rather at 4:00-5:15pm and 5:30-6:45pm on Sunday, Sept 18, L-140</i>	
6	Tue	Sept 20	Recent patterns of economic growth in the developing world	DR
Part 3: Impact evaluation methods				
7	Thu	Sept 22	Doing development policy: empirical methods for policy evaluation (1)	ELF
	Fri	Sept 23	Quiz #2 – Send in your response by 5pm	
8	Tue	Sept 27	Doing development policy: empirical methods for policy evaluation (2)	ELF
Part 4: Factor accumulation				
9	Thu	Sept 29	Physical capital: Investment, intermediation and saving (1)	ELF
10	Tue	Oct 4	Physical capital: Investment, intermediation and saving (2)	ELF
11	Thu	Oct 6	Human capital: Education (1)	ELF
	Fri	Oct 7	Quiz #3 – Send in your response by 5pm <i>*NOTE: Only one review session today at 10:30-11:45am, L-140</i>	
12	Tue	Oct 11	Human capital: Education (2)	ELF
13	Thu	Oct 13	MID-TERM EXAM	
14	Tue	Oct 18	Human capital: Health (1)	ELF
15	Thu	Oct 20	Human capital: Health (2)	ELF
Part 5: Productivity growth				
16	Tue	Oct 25	Misallocation, learning, and coordination failures (1)	DR
17	Thu	Oct 27	Misallocation, learning, and coordination failures (2)	DR
	Fri	Oct 28	Quiz #4 – Send in your response by 5pm	
18	Tue	Nov 1	Agriculture (1)	ELF
19	Thu	Nov 3	Agriculture (2)	ELF
20	Tue	Nov 8	Productive development policies	DR
Part 6: Economic reform and political economy				
21	Thu	Nov 10	Analytics of economic reform: Theory of second best Assignment #2 –due at 8.30 am	DR
22	Tue	Nov 15	Analytics of economic reform: Diagnostics in practice	DR
23	Thu	Nov 17	Poverty traps	ELF
	Fri	Nov 18	Quiz #5 – Send in your response by 5pm	
24	Tue	Nov 22	Public service delivery	ELF
25	Tue	Nov 29	Political economy	DR
26	Thu	Dec 1	General discussion and wrap-up	ELF/DR
	Wed	Dec 7	FINAL EXAM (9am-12pm)	

COURSE OUTLINE AND READINGS

**** = required readings (before lecture); * = strongly recommended readings;
no stars = additional reading for further background**

Most required readings are available online (by clicking on the title). Required readings that are not linked in this syllabus can be found on Canvas.

PART 1: INTRODUCTION AND FRAMEWORK

1. Stylized facts of economic development (Sept 1, DR)

** Page, Lucy and Rohini Pande. 2018. "[Ending Global Poverty: Why money isn't enough](#)," *Journal of Economic Perspectives*, 32(4): 173-200.

* Filippini, Federico and Eduardo Levy Yeyati. 2022. [Pandemic Divergence: A Short Note on COVID-19 and Global Income Inequality](#). Brookings Global Working Paper 168, March.

* Mahler, Daniel Gerszon et al. 2022. "[Pandemic, Prices, and Poverty](#)." World Bank. April 13.

World Bank. 2022. [Global Economic Prospects](#). June, Chapter 1.

Mkandawire, Thandika. 2010. "[How the New Poverty Agenda Neglected Social and Employment Policies in Africa](#)." *Journal of Human Development and Capabilities*, 11(1): 37-55.

Milanovic, Branko. 2012. "[Global Income Inequality in Numbers: in History and Now--An Overview](#)." World Bank Working paper 6259, November.

Milanovic, Branko. 2020. "[After the financial crisis: the evolution of the global income distribution between 2008 and 2013](#)," July.

Rodrik, Dani, 2015. *Economics Rules: The Rights and Wrongs of the Dismal Science*, W.W. Norton, chaps. 1-4.

2. Doing development policy: the diagnostic approach (Sept 6, DR)

** Rodrik, Dani. 2010. "[Diagnostics before Prescription](#)," *Journal of Economic Perspectives*, 24(3): 33-44.

** Gelman, Andrew, and Guido Imbens. 2013. "[Why Ask Why: Forward Causal Inference and Reverse Causal Questions](#)." NBER Working Paper 19614.

* Thorbecke, Erik. 2019. "[The History and Evolution of the Development Doctrine, 1950-2017](#)," in M. Nissanke and J. Ocampo, eds., *The Palgrave Handbook of Development Economics*, 61-108.

* Rodrik, Dani. 2009. "[The New Development Economics: We Shall Experiment, but How Shall we Learn?](#)" in J. Cohen and W. Easterly, eds., *What Works in Development? Thinking Big and Thinking Small*, Brookings Institution Press, Washington, DC.

3. Understanding productivity (Sept 8, DR)

** Jones, Charles I. 2015. "[The Facts of Economic Growth](#)." NBER Working Paper No. 21142.

** Caselli, Francesco. 2005. "[Accounting for Cross-Country Income Differences](#)," chapter 9 in P. Aghion and S. Durlauf, eds., *Handbook of Economic Growth*, 1A. North Holland. **Please read only pp. 680-690, 717-724.**

* Barro, Robert J. 1998. "[Notes on Growth Accounting](#)," NBER Working Paper No. 6654, National Bureau of Economic Research.

Conference Board, Total Economy Database, [Growth Accounting and Total Factor Productivity, 1990-2019](#). (This is a database. Look at and understand the growth decompositions for four countries that interest you.)

Bosworth, Barry and Susan M. Collins. 2003. "[The Empirics of Growth: An Update](#)," *Brookings Papers on Economic Activity*, 2: 113-206.

Hall, Robert E. and Charles I. Jones. 1999. "[Why Do Some Countries Produce So Much More Output Per Worker Than Others?](#)" *Quarterly Journal of Economics*, 114(1): 83-116.

Hsieh, Chang-Tai and Peter Klenow. 2007. "[Relative Prices and Relative Prosperity](#)," *American Economic Review*, 97(3): 562-585.

Felipe, Jesus and John McCombie. 2017. "[The Debate about the Sources of Growth in East Asia after a Quarter of a Century: much ado about nothing](#)," Asian Development Bank, Working Paper No. 512.

Clemens, Michael, Claudio Montenegro and Lant Pritchett. 2009. "[The Place Premium: Wage Differences for Identical Workers Across the US Border](#)." World Development Bank Report Background Paper.

PART 2: HISTORY AND COMPARATIVE DEVELOPMENT

4. The Industrial Revolution and its sources (Sept 13, DR)

** Allen, Robert C. 2011. *Global Economic History: A Very Short Introduction*, Oxford University Press, [chapter 3](#): 27-39.

** Mokyr, Joel. 2011. "[The European Enlightenment, the Industrial Revolution, and Modern Economic Growth](#)," in P. Zumbansen and G.P. Calliess, eds., *Law, Economics and Evolutionary Theory*. Edward Elgar Publishing. **Please read only pp. 1-13, 16-18.**

** Acemoglu, Daron, Simon Johnson, and James A. Robinson. 2005. "[The Rise of Europe: Atlantic Trade, Institutional Change, and Economic Growth](#)," *American Economic Review*, 95(3): 546-579. **Please read only pp. 546-551, 562-568.**

Mukherjee, Aditya. 2010. "[Empire: How Colonial India Made Modern Britain](#)." *Economic and Political Weekly*, 45(50), December 11-17: 73-82.

Nicholas Crafts. 2021. "[Understanding Productivity Growth in the Industrial Revolution.](#)" *Economic History Review*, 74(2): 309–338.

Acemoglu, Daron, Simon Johnson, and James A. Robinson. 2002. "[Reversal of Fortune: Geography and Institutions in the Making of the Modern World Income Distribution.](#)" *Quarterly Journal of Economics*, 117: 1231–9.

Clark, Gregory. 2007. [A Farewell to Alms: A Brief Economic History of the World.](#) Princeton University Press, chapters 10-13.

5. Colonialism, the great divergence, and its present-day ramifications (Sept 15, DR)

** Engerman, Stanley L., and Kenneth L. Sokoloff. 2002. "[Factor Endowments, Inequality, and Paths of Development among New World Economies.](#)" *Economia*, 3: 41–88. **Please read only pp. 41-83.**

** Nunn, Nathan. 2008. "[The Long-Term Effects of Africa's Slave Trades.](#)" *Quarterly Journal of Economics*. 2008; 123 (1): 139-176. **Please read only pp. 139-144, 151-156, 163-169.**

* Acemoglu, Daron, Simon Johnson, and James A. Robinson. 2001. "[The Colonial Origins of Comparative Development: An Empirical Investigation.](#)" *American Economic Review*. 91: 1369–1401.

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

Banerjee, Abhijit, and Lakshmi Iyer. 2005. "[History, Institutions, and Economic Performance: The Legacy of Colonial Land Tenure Systems in India.](#)" *The American Economic Review*, 95 (4), September: 1190-1213.

Iyer, Lakshmi. 2010. "[Direct versus Indirect Colonial Rule in India: Long-Term Consequences.](#)" *The Review of Economics and Statistics*, MIT Press, 92 (4), November: 693-713.

Nunn, Nathan, and Leonard Wantchekon. 2011. "[The Slave Trade and the Origins of Mistrust in Africa.](#)" *American Economic Review*. 101 (7): 3221-3252.

Pascali, Luigi. 2017. "[The Wind of Change: Maritime Technology, Trade, and Economic Development.](#)" *American Economic Review*. 107 (9): 2821–2854.

Kelly, Morgan. 2019. "[The Standard Errors of Persistence.](#)"

Court, Victor. 2019. "[A reassessment of the Great Divergence debate: towards a reconciliation of apparently distinct determinants.](#)" *European Review of Economic History*.

6. Recent patterns of economic growth in the developing world (Sept 20, DR)

** Rodrik, Dani. 2014. "[The Past, Present, and Future of Economic Growth.](#)" in Franklin Allen et al., *Towards a Better Global Economy: Policy Implications for Citizens Worldwide in the 21st Century*, Oxford University Press, Oxford and New York.

** Diao, Xinshen, Margaret McMillan, and Dani Rodrik. 2019. "The Recent Growth Boom in Developing Economies: A Structural-Change Perspective," in M. Nissanke and J. Ocampo, eds., [The Palgrave Handbook of Development Economics](#), 281-384.

* Kremer, Michael, Jack Willis, and Yang You. 2021. "[Converging to Convergence](#)." NBER Working Paper No. 29484. November.

Egger, Dennis, Johannes Haushofer, Edward Miguel, Paul Niehaus, and Michael Walker. 2019. "[General Equilibrium Effects of Cash Transfers: Experimental Evidence from Kenya](#)." December 18.

Rodrik, Dani. 2013. "[Unconditional Convergence in Manufacturing](#)," *Quarterly Journal of Economics*, 128 (1): 165-204.

Rodrik, Dani. 2016. "[Premature Deindustrialization](#)," *Journal of Economic Growth*, 21: 1-33.

PART 3: IMPACT EVALUATION METHODS

7, 8. Doing development policy: empirical methods for policy evaluation (Sept 22-27, ELF)

** Duflo, Esther, Rachel Glennerster, and Michael Kremer. 2007. "[Using Randomization in Development Economics Research: A Toolkit](#)," Chapter 61 in T. Paul Schultz and John Strauss eds., *Handbook of Development Economics*, 4, North Holland, pp. 3895-3962.

Angrist, Joshua D., and Jörn-Steffen Pischke. 2014. *Mastering'metrics: The path from cause to effect*, Princeton University Press, (selected chapters).

Athey, Susan, and Guido W. Imbens. 2017. "[The State of Applied Econometrics: Causality and Policy Evaluation](#)," *Journal of Economic Perspectives*, 31 (2): 3-32.

PART 4: FACTOR ACCUMULATION

9, 10. Physical capital: Investment, intermediation and savings (Sept 29-Oct 4, ELF)

Credit markets

** De Mel, Suresh, David McKenzie, and Christopher Woodruff. 2008. "[Returns to Capital in Microenterprises: Evidence from a Field Experiment](#)," *The Quarterly Journal of Economics*, 123 (4): 1329-1372.

** Karlan, Dean, and Jonathan Morduch. 2010. "[Access to Finance](#)," *Handbook of Development Economics*, 5, Elsevier, pp. 4703-4784.

* J-PAL. 2015. "[Where Credit is Due](#)," Policy Bulletin.

Banerjee, Abhijit, et al. 2015. "[The Miracle of Microfinance? Evidence from a Randomized Evaluation](#)," *American Economic Journal: Applied Economics*, 7 (1): 22-53.

Feigenberg, Benjamin, Erica Field, and Rohini Pande. 2013. "[The Economic Returns to Social Interaction: Experimental Evidence from Microfinance](#)," *Review of Economic Studies*, 80 (4): 1459-1483.

Ghatak, Maitreesh. 1999. "[Group Lending, Local Information and Peer Selection.](#)" *Journal of Development Economics*, 60 (1): 27-50.

Karlan, Dean, and Jonathan Zinman. 2009. "[Observing Unobservables: Identifying Information Asymmetries with a Consumer Credit Field Experiment.](#)" *Econometrica*, 77 (6): 1993-2008.

Savings and insurance

** Ashraf, Nava, Dean Karlan, and Wesley Yin. 2006. "[Tying Odysseus to the Mast: Evidence from a Commitment Savings Product in the Philippines.](#)" *Quarterly Journal of Economics*, 121 (2): 635-672.

* Dupas, Pascaline, and Jonathan Robinson. 2013. "[Savings Constraints and Microenterprise Development: Evidence from a Field Experiment in Kenya.](#)" *American Economic Journal: Applied Economics*, 5 (1): 163-92.

* Ray, Debraj. 1998. "Insurance." in *Development Economics*. Princeton University Press. Chapter 15.

Angelucci, Manuela, and Giacomo De Giorgi. 2009. "[Indirect Effects of an Aid Program: How do Cash Transfers Affect Ineligibles' Consumption?](#)" *American Economic Review*, 99 (1): 486-508.

Banerjee, Abhijit, Abhijit V. Banerjee, and Esther Duflo. 2011. "Saving brick by brick." in *Poor economics: A radical rethinking of the way to fight global poverty*. Public Affairs, Chapter 8.

Karlan, Dean, et al. 2016. "[Getting to the Top of Mind: How Reminders Increase Saving.](#)" *Management Science*, 62 (12): 3393-3411.

Townsend, Robert M. 1994. "[Risk and Insurance in Village India.](#)" *Econometrica*, 62 (3): 539-591.

11, 12. Human capital: Education (Oct 6-11, ELF)

** Beaman, Lori, et al. 2012. "[Female Leadership Raises Aspirations and Educational Attainment for Girls: A Policy Experiment in India.](#)" *Science*, 335 (6068): 582-586.

** 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.

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

* Bold, Tessa, et al. 2017. "[Enrollment without Learning: Teacher Effort, Knowledge, and Skill in Primary Schools in Africa.](#)" *Journal of Economic Perspectives*, 31 (4): 185-204.

* Duflo, Esther, Pascaline Dupas, and Michael Kremer. 2011. "[Peer Effects, Teacher Incentives, and the Impact of Tracking: Evidence from a randomized evaluation in Kenya.](#)" *American Economic Review*, 101 (5): 1739-1774.

* Kremer, Michael, Conner Brannen, and Rachel Glennerster. 2013. "[The Challenge of Education and Learning in the Developing World.](#)" *Science*, 340 (6130): 297-300.

Araujo, Maria Caridad, and Karen Macours. 2021. "[Education, Income and Mobility: Experimental Impacts of Childhood Exposure to Progresa after 20 Years.](#)"

- Banerjee, Abhijit V., et al. 2007. "[Remedying Education: Evidence from Two Randomized Experiments in India.](#)" *The Quarterly Journal of Economics*, 122 (3): 1235-1264.
- Buchmann, Nina, et al. 2017. "Power vs money: Alternative Approaches to Reducing Child Marriage in Bangladesh, a randomized control trial." Unpublished Manuscript.
- Dizon-Ross, Rebecca. 2019. "[Parents' Beliefs about their Children's Academic Ability: Implications for Educational Investments.](#)" *American Economic Review*, 109 (8): 2728-65.
- Duflo, Esther, Pascaline Dupas, and Michael Kremer. 2015. "[Education, HIV, and Early Fertility: Experimental Evidence from Kenya.](#)" *American Economic Review*, 105 (9): 2757-2797.
- Duflo, Esther, Pascaline Dupas, and Michael Kremer. 2021. "[The Impact of Free Secondary Education: Experimental Evidence from Ghana.](#)" NBER Working Paper No. 28937, National Bureau of Economic Research.
- Duflo, Esther, Rema Hanna, and Stephen P. Ryan. 2012. "[Incentives Work: Getting Teachers to Come to School.](#)" *American Economic Review*, 102 (4): 1241-78.
- Field, Erica, and Attila Ambrus. 2008. "[Early Marriage, Age of Menarche, and Female Schooling Attainment in Bangladesh.](#)" *Journal of Political Economy*, 116 (5): 881-930.
- Glewwe, Paul, Michael Kremer, and Sylvie Moulin. 2009. "[Many Children Left Behind? Textbooks and Test Scores in Kenya.](#)" *American Economic Journal: Applied Economics*, 1 (1): 112-135.
- Kremer, Michael, Edward Miguel, and Rebecca Thornton. 2009. "[Incentives to Learn.](#)" *The Review of Economics and Statistics*, 91 (3): 437-456.
- Muralidharan, Karthik, and Nishith Prakash. 2017. "[Cycling to School: Increasing Secondary School Enrollment for Girls in India.](#)" *American Economic Journal: Applied Economics*, 9 (3): 321-50.
- Muralidharan, Karthik, and Venkatesh Sundararaman. 2011. "[Teacher Performance Pay: Experimental Evidence from India.](#)" *Journal of Political Economy*, 119 (1): 39-77.
- Oster, Emily, and Bryce Millett Steinberg. 2013. "[Do IT Service Centers Promote School Enrollment? Evidence from India.](#)" *Journal of Development Economics*, 104: 123-135.
- Riley, Emma. 2019 "[Role models in Movies: The Impact of Queen of Katwe on Students' Educational Attainment.](#)" *The Review of Economics and Statistics*, 1-48.
- Schultz, T. Paul. 2004. "[School Subsidies for the Poor: Evaluating the Mexican Progresa Poverty Program.](#)" *Journal of Development Economics*, 74 (1): 199-250.

13. MIDTERM EXAM (October 13)

14, 15. Human capital: Health (Oct 18-20, ELF)

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

- * Banerjee, Abhijit, Eliana La Ferrara, and Victor H. Orozco-Olvera. 2019. "[The Entertaining Way to Behavioral Change: Fighting HIV with MTV.](#)" NBER Working Paper No. 26096. National Bureau of Economic Research.
- * Dupas, Pascaline. 2011. "[Do Teenagers Respond to HIV Risk Information? Evidence from a Field Experiment in Kenya.](#)" *American Economic Journal: Applied Economics*, 3 (1): 1-34.
- * Dupas, Pascaline. 2014. "[Short-Run Subsidies and Long-Run Adoption of New Health Products: Evidence from a Field Experiment.](#)" *Econometrica*, 82 (1): 197-228.
- * La Ferrara, Eliana, Alberto Chong, and Suzanne Duryea. 2012. "[Soap Operas and Fertility: Evidence from Brazil.](#)" *American Economic Journal: Applied Economics*, 4(4): 1-31.
- Ashraf, Nava, Erica Field, and Jean Lee. 2014. "[Household Bargaining and Excess Fertility: An Experimental study in Zambia.](#)" *American Economic Review*, 104 (7): 2210-2237.
- Ashraf, Nava, James Berry, and Jesse M. Shapiro. 2010. "[Can Higher Prices Stimulate Product Use? Evidence from a Field Experiment in Zambia.](#)" *American Economic Review*, 100 (5): 2383-2413.
- Baird, Sarah, et al. 2016. "[Worms at work: Long-run impacts of a child health investment.](#)" *The Quarterly Journal of Economics*, 131 (4): 1637-1680.
- Banerjee, Abhijit Vinayak, et al. 2010. "[Improving immunisation coverage in rural India: clustered randomised controlled evaluation of immunisation campaigns with and without incentives.](#)" *Bmj*, 340.
- Baranov, Victoria, et al. 2020. "[Maternal Depression, Women's Empowerment, and Parental Investment: Evidence from a Randomized Controlled Trial.](#)" *American Economic Review*, 110 (3): 824-59.
- Das, Jishnu, Jeffrey Hammer, and Kenneth Leonard. 2008. "[The Quality of Medical Advice in Low-Income Countries.](#)" *Journal of Economic Perspectives*, 22 (2): 93-114.
- Haushofer, Johannes, and Jeremy Shapiro. 2018. "[The long-term impact of unconditional cash transfers: experimental evidence from Kenya.](#)" Busara Center for Behavioral Economics, Nairobi, Kenya.
- Karing, Anne. 2021. "[Social Signaling and Childhood Immunization: A Field Experiment in Sierra Leone.](#)" Working Paper.
- Kremer, Michael, and Rachel Glennerster. 2011. "[Improving Health in Developing Countries: Evidence from Randomized Evaluations](#)", in *Handbook of Health Economics*, 2, Elsevier, ch. 4, pp. 201-315.

PART 5: PRODUCTIVITY GROWTH

16. Misallocation, learning and coordination failures I (Oct 25, DR)

- ** Hsieh, Chang-Tai and Peter J. Klenow. 2009. "[Misallocation and Manufacturing TFP in China and India.](#)" *Quarterly Journal of Economics*, 124 (4): 1403-1448. *Please read only pp. 1403-1411, 1414-1426.*

** McMillan, Margaret, and Dani Rodrik. 2011. "[Globalization, Structural Change, and Productivity Growth](#)," in M. Bachetta and M. Jansen, eds., *Making Globalization Socially Sustainable*, International Labor Organization and World Trade Organization, Geneva. **Please read only pp. 49-75.**

* Matsuyama, Kiminori. 1992. "[Agricultural Productivity, Comparative Advantage, and Economic Growth](#)," *Journal of Economic Theory*, 58(2): 317-334. **Please read only pp. 317-328.**

de Vries, Klaas, and Marcel Timmer. 2015. "[Structural Transformation in Africa: Static Gains, Dynamic Losses](#)," *Journal of Development Studies*, 51(6): 674-688.

Banerjee, Abhijit and Esther Duflo. 2005. "[Growth Theory Through the Lens of Development Economics](#)," chapter 7 in P. Aghion and S. Durlauf, eds., *Handbook of Economic Growth*, 1A, North Holland.

Hicks, Joan Hamory, Marieke Kleemans, Nicholas Y. Li, and Edward Miguel. 2017. "[Reevaluating Agricultural Productivity Gaps with Longitudinal Microdata](#)," NBER Working Paper No. 23253, National Bureau of Economic Research.

Bartelsman, Eric, John Haltiwanger, and Stefano Scarpetta. 2013. "[Cross-Country Differences in Productivity: The Role of Allocation and Selection](#)," *American Economic Review*, 103(1): 305-334.

Acemoglu, Daron, Philippe Aghion, and Fabrizio Zilibotti. 2006. "[Distance to Frontier, Selection, and Economic Growth](#)," *Journal of European Economic Association*, 4 (1): 37-74.

Aghion, Philippe, Robin Burgess, Stephen Redding, and Fabrizio Zilibotti. 2008. "[The Unequal Effects of Liberalization: Evidence from Dismantling the License Raj in India](#)," *American Economic Review*, 98(4): 1397-1412.

Hausmann, Ricardo, Jason Hwang, and Dani Rodrik. 2007. "[What You Export Matters](#)," *Journal of Economic Growth*, 12: 1-25.

17. Misallocation, learning and coordination failures II (Oct 27, DR)

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PART 6: ECONOMIC REFORM AND POLITICAL ECONOMY

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26. General discussion and wrap-up (Dec 1, ELF/DR)

Readings to be announced.

FINAL EXAM (December 7)