

Syllabus: Advanced Development Economics

PhD/Advanced Master Course (M.WIWI-VWL.0019.Mp)

Winter Semester 2022/2023

27 February 2023 - 13 April 2023

(as of January 11, 2023)

Teaching faculty

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1. General Information

1.1 Course overview

This course provides an in-depth analysis of current research on selected critical issues in development economics at the graduate level. The course covers topics on new directions of research in macro-economic and micro-economic aspects of development as well as methodological aspects of econometric analyses and policy evaluations.

Some familiarity with development issues (e.g., Development Economics I, II) as well as background in micro and macro theory and empirical economics is highly desirable. The course is open to Ph.D. students in economics, applied statistics, agricultural economics, and related disciplines, as well as advanced M.A. students in international economics and development economics.

1.2 Credit points

6 ECTS credit points

1.3 Examination and grading of the module

The grading consists of two components:

- Final exam (duration: 90 minutes) [5C]
- Oral presentations and discussions of other students' presentations [1C]

In order to earn ECTS credits, you must present and discuss research articles in the tutorial (selected from the literature under the tutorials section) and pass an exam at the end of the course.

- **Presentations.** Depending on the number of registered students, you have to present one or two papers and discuss one or two papers presented by your peers. Each presentation should be approx. 20 minutes. The grade of the presentation will be based on the presentation of
 - context and background
 - data
 - methodology
 - implications and conclusions
 - your own thoughts about the paper.

Students need to send their presentation to Sarah Langlotz and their assigned discussants at least 48h before the presentation time. You will have to upload the presentation to Stud.IP after the tutorial session in which you presented.

- **Online exam.** The exam takes place online from 16:00-17:30 on April 13th, 2023. We will upload exams from previous years to Stud.IP after the last lecture.

1.5 Registration

Please select three papers for possible presentations from the tutorial list (highlighted in grey) below and state your ordered preferences by email to sarah.langlotz@uni-goettingen.de by **February 14, 2023** (23:59). We will then assign 1-2 papers for your presentation, which we will announce by February 18, 2023.

Please register for the course on Stud.IP (<https://www.studip.uni-goettingen.de/>) so that you receive all pertinent information in due time (e.g., registration, virtual meetings). If you are not a student at the University of Göttingen and do not have access to Stud.IP, please email studip@uni-goettingen.de, and let them know that:

You are a guest student for the course Advanced Development Economics (course number: 800968) and will require access to Stud.IP from February to

May 2023. If they require permission from the course instructor, please forward the email to sarah.langlotz@uni-goettingen.de.

Students of the University of Göttingen need to register for the exam via FlexNow. All other students need to register for the exam by sending an e-mail to sarah.langlotz@uni-goettingen.de.

2. Course overview

2.1 Description of the teaching and learning methods

The lecture is supplemented by self-study based on provided materials and literature. The accompanying tutorial (*Übung*) complements the lecture content. The course is split in lectures and tutorials. **The course language is English.**

2.2 Meetings

IMPORTANT: This course is planned to take place **on campus**. This might change depending on how the coronavirus situation evolves. Please register for the course on Stud.IP so that you receive all pertinent information on possible changes in due time. All registered students will receive the Stud.IP course password by e-mail by February 18, 2023. This allows registered students to access the course materials and possibly receive a Zoom link.

Date	Time	Location	Type	Lecturer	Topic
07.02.2023	14:00-15:00	Zoom		Fuchs	Optional Q&A on Organizational Issues
14.02.2023	-23:59				Submission of Preferences for Paper Presentation (see Section 1.5)
27.02.2023	10:00-12:00 c.t.	ZHG103	Lecture	Kis-Katos	1. Measuring Development
	14:00-16:00 c.t.	ZHG103	Lecture	Kis-Katos	2. Trade Policy and Local Development
28.02.2023	10:00-12:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 1,2
	14:00-16:00 c.t.	ZHG103	Lecture	Kis-Katos	3. International Migration and Development
	16:00-18:00 c.t.	ZHG103	Lecture	Hartwig	4. Political Selection and Politician Behavior
01.03.2023	10:00-12:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 3,4
	14:00-16:00 c.t.	ZHG103	Lecture	Hartwig	5. Marriage and Fertility
	16:00-18:00 c.t.	ZHG103	Lecture	Ibanez	6. Behavioral Development Economics (tbc)
02.03.2023	10:00-12:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 5,6
	14:00-16:00 c.t.	ZHG103	Lecture	Ibanez	7. The Psychology of Poverty (tbc)
	16:00-18:00 c.t.	ZHG103	Lecture	Langlotz	8. Media and Political Outcomes
03.03.2023	10:00-12:00 c.t.	ZHG103	Lecture	Langlotz	9. Conflict and Development
	14:00-16:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 7,8,9
27.03.2023	14:00-16:00 c.t.	ZHG103	Lecture	Fuchs	10. Politics of Development Aid
	16:00-18:00 c.t.	ZHG103	Lecture	Fuchs	11. Effectiveness of Development Aid
28.03.2023	10:00-12:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 10,11
	14:00-16:00 c.t.	ZHG103	Lecture	Fuchs	12. International Financial Institutions
	16:00-18:00 c.t.	Zoom	Lecture	Strulik	13. Modern vs. Pre-Modern Growth
29.03.2023	10:00-12:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 12,13
	14:00-16:00 c.t.	Zoom	Lecture	Strulik	14. The Demographic Transition and History Augmented Solow Model
	16:00-18:00 c.t.	Zoom	Lecture	Strulik	15. Human Physiology, Development, and the Reversal of Fortune
30.03.2023	10:00-12:00 c.t.	Zoom	Lecture	Strulik	16. The Past and Future of Knowledge-Based Growth
	14:00-16:00 c.t.	ZHG103	Tutorial	Langlotz	Topics 14,15,16
13.04.2023	16:00-17:30	Online	Exam	Langlotz	

3. Literature

3.1 General readings (not required, but recommended)

- [§] Ray, D. 1998. *Development Economics*. Princeton: Princeton University Press.
- [§] Basu, K. 1997. *Analytical Development Economics*. Cambridge: MIT Press.
- [§] Bardhan, P., and C. Udry. 1999. *Development Microeconomics*. Oxford: Oxford University Press.
- [§] Banerjee, A., and E. Duflo. 2011. *Poor Economics: A Radical Rethinking of the Way to Fight Global Poverty*. New York City: PublicAffairs.
- Kremer, M., G. Rao, and F. Schilbach. 2019. *Behavioral Development Economics. Handbook of Behavioral Economics, 2*. Elsevier.

([§] = Books available in the SUB and/or WISO-BIB)

3.2 Readings per lecture and corresponding tutorial

We expect you to read the key readings highlighted with an asterisk (*) before the respective lecture. This will allow us to engage in a vivid discussion about each paper's merits and limitations.

1. Measuring Development (Kis-Katos)

Lecture

- * Burke, M., A. Driscoll, D.B. Lobell, and S. Ermon. 2021. Using Satellite Imagery to Understand and Promote Sustainable Sevelopment. *Science* 371 (6535).
- Henderson, V.J., A. Storeygard, and D.N. Weil. 2012. Measuring Economic Growth from Outer Space. *American Economic Review* 102 (2): 994-1028.

Tutorial

- Aiken, E., S. Bellue, D. Karlan, C.R. Udry, and J. Blumenstock. 2021. Machine Learning and Mobile Phone Data Can Improve the Targeting of Humanitarian Assistance. *NBER Working Paper Series* 29070.
- Barangwanath Vogel, K., R. Goldblatt, G. Hanson, and A.K. Khandelwal. 2018. Detecting Urban Markets with Satellite Imagery: An Application to India. *Journal of Urban Economics*, 125, 103173.
- Chi, G., H. Fang, S. Chatterjee, and J.E. Blumenstock. 2021. Micro-Estimates of Wealth for all Low- and Middle-Income Countries. *Proceedings of the National Academy of Sciences*, 119(3) e2113658119.
- Huang, L.Y., S.M. Hsiang, and M. Gonzalez-Navarro. 2021. Using Satellite Imagery and Deep Learning to Evaluate the Impact of Anti-Poverty Programs. *NBER Working Paper Series* 29070. National Bureau of Economic Research, Cambridge, Mass.

2. Trade Policy and Local Development (Kis-Katos)

Lecture

* Adão, R., M. Kolesár, and E. Morales. 2019. Shift-Share Designs: Theory and inference. *Quarterly Journal of Economics* 134 (4): 1949-2010.

Kis-Katos, K., and R. Sparrow. 2015. Poverty, Labor Markets and Trade Liberalization in Indonesia. *Journal of Development Economics* 117: 94-106.

Additional material

Atkin, D., and A.K. Khandelwal. 2020. How Distortions Alter the Impact of International Trade in Developing Countries. *Annual Review of Economics* 12: 213-238.

Goldberg, P. K., and N. Pavcnik. 2016. The Effects of Trade Policy. *NBER Working Paper Series* 21957. (also a chapter in *Handbook of Commercial Policy*)

Kovak, B. 2013. Regional Effects of Trade Reform: What is the Correct Measure of Liberalization? *American Economic Review* 103 (5): 1960-1976.

Tutorial

Atkin, D., B. Faber, and M. Gonzalez-Navarro. 2017. Retail Globalization and Household Welfare: Evidence from Mexico. *Journal of Political Economy* 126 (1): 1-73.

Dix-Carneiro, R., and B.K. Kovak. 2017. Trade Liberalization and Regional Dynamics. *American Economic Review* 107 (10): 2908–2946.

Dix-Carneiro, R., R. Soares, and G. Ulyssea. 2018. Economic Shocks and Crime: Evidence from the Brazilian trade Liberalization. *American Economic Journal: Applied Economics* 10 (4): 158-195.

McCaig, B., and N. Pavcnik. 2018. Export Markets and Labor Allocation in a Low-Income Country. *American Economic Review* 108 (7): 1899-1941.

3. International Migration and Development (Kis-Katos)

Lecture

* Becker, S.O., I. Grosfeld, P. Grosjean, N. Voigtländer, and E. Zhuravskaya. 2020. Forced Migration and Human Capital: Evidence from Post-WWII Population Transfers. *American Economic Review* 110 (5), 1430-1463.

Gazeaud, J., E. Mvukiyehe, and O. Sterck. 2021. Cash Transfers and Migration: Theory and Evidence from a Randomized Controlled Trial. *Review of Economics and Statistics*: 1-45. https://doi.org/10.1162/rest_a_01041.

Additional material

Hanson, G. 2010. International Migration and the Developing World. In *Handbook of Development Economics*, 4363-4414. Elsevier.

Dustmann, C., and J.-S. Görlach. 2016. The Economics of Temporary Migrations. *Journal of Economic Literature* 54 (1): 98-136.

Docquier, F., and H. Rapoport. 2012. Globalization, Brain Drain, and Development. *Journal of Economic Literature* 50 (3): 681–730.

Tutorial

- Barsbai, T., H. Rapoport, A. Steinmayr, and C. Trebesch. 2017. The Effect of Labor Migration on the Diffusion of Democracy: Evidence from a Former Soviet Republic. *American Economic Journal: Applied Economics* 9 (3): 36-69.
- Knight, B.G., and A. Tribin. 2020. Immigration and Violent Crime: Evidence from the Colombia-Venezuela Border. *NBER Working Paper Series* 27620.
- Lagakos, D., S. Marshall, A.M. Mobarak, C. Vernot, and M.E. Waugh. 2020. Migration Costs and Observational Returns to Migration in the Developing World. *Journal of Monetary Economics*, 113 (2020): 138-154.
- Peri, G., and A. Sasahara. 2019. The Impact of Global Warming on Rural-Urban Migrations: Evidence from Global Data. *NBER Working Paper Series* 25728.

4. Political Selection and Politician Behavior (Hartwig)

Lecture

- * Dal Bó, E., and F. Finan. 2018. Progress and Perspectives in the Study of Political Selection. *Annual Review of Economics* 10: 541-575.

Additional material

- Avis, E., C. Ferraz, and F.S. Finan. 2018. Do Government Audits Reduce Corruption? Estimating the Impacts of Exposing Corrupt Politicians. *Journal of Political Economy* 126 (5): 1912-1964.
- Cruz, C., J. Labonne, and P. Querubin. 2017. Politician Family Networks and Electoral Outcomes: Evidence from the Philippines. *American Economic Review* 107 (10): 3006-3037.
- Fisman, R., J. Shi, Y. Wang, and W. Wu. 2020. Social Ties and the Selection of China's Political Elite. *American Economic Review* 110 (6): 1752-1781.

Tutorial

- Abeler, J., D. Nosenzo, and C. Raymond. 2019. Preferences for Truth-Telling. *Econometrica* 87 (4): 1115-1153.
- Banerjee, P., V. Iversen, S. Mitra, A. Nicoló, and K. Sen. 2019. Politicians and their Promises in an Uncertain World: Evidence from a Lab-in-the-Field Experiment in India. *WIDER working paper* 2019/16.
- Banuri, S., and P. Keefer. 2016. Pro-social Motivation, Effort and the Call to Public Service. *European Economic Review* 83: 139-164.
- Enemark, D., C.C. Gibson, M.D. McCubbins, and B. Seim. 2016. Effect of Holding Office on the Behavior of Politicians. *Proceedings of the National Academy of Sciences* 113 (48): 13690-13695.
- Sheffer, L., P. Loewen, S. Sorkoka, T. Sheaffer, and S. Walgrave. 2018. Non-representative Representatives? An Experimental Study of the Decision Making of Elected Politicians. *American Political Science Review* 112 (2): 302-321.

5. Marriage and Fertility (Hartwig)

Lecture

- * Neelakantan, U., and M. Tertilt. 2008. A Note on Marriage Market Clearing. *Economic Letters* 101 (2): 103-105.
- * Tapsoba, A. 2021. Polygyny, Timing of Marriage and Economic Shocks in Sub-Saharan Africa. Mimeo. *WP Working Papers* 1240.
(Available from: https://www.dropbox.com/s/sri6lv4kz05r9xf/Tapsoba_Paper1_Polygyny.pdf?dl=0).

Tutorial

- Ashraf, N., E. Field, A. Voena, and R. Ziparo. 2020. Maternal Mortality and the Gender Gap in the Demand for Children in Zambia. *NBER Working Paper Series* 28220. doi: 10.3386/w28220.
- Corno, L., N. Hildebrandt, and A. Voena. 2020. Age of Marriage, Weather Shocks and the Direction of Marriage Payments. *Econometrica* 88 (3): 879-915.
- Tertilt, M. 2005. Polygyny, Fertility and Savings. *Journal of Political Economy* 113 (6): 1341-1371.
- Vogl, T. (2022). Fertility and the Education of African Parents and Children. Mimeo. http://www.tomvogl.com/vogl_africa_fertility.pdf

6. Behavioral Development Economics (Ibanez)

Lecture

- Kremer, M., Rao, G. and Schilbach, F., 2019. Behavioral development economics. In *Handbook of Behavioral Economics: Applications and Foundations 1* (Vol. 2, pp. 345-458). North-Holland.
- Demeritt, A.D. and Hoff, K., 2018. The Making of Behavioral Development Economics. World Bank Policy Research Working Paper, (8317).
- Datta, S. and Mullainathan, S., 2014. Behavioral design: a new approach to development policy. *Review of Income and Wealth*, 60(1), pp.7-35.
- Demeritt, A. and Hoff, K., 2016. "Small Miracles" — Behavioral Insights to Improve Development Policy: The World Development Report 2015. In *Contemporary Issues in Development Economics* (pp. 19-43). Palgrave Macmillan, London.

Additional material

- OECD. 2011. *Behavioural Insights and Public Policy: Lessons from Around the World*, OECD Publishing, Paris.
- UNDP. Behavioral Insights at the United Nations – Achieving Agenda 2030. UNDP, <http://www.undp.org/content/undp/en/home/librarypage/development-impact/behavioural-insights-at-the-united-nations--achieving-agenda-203.html>.

Tutorial: Behavioral Development and Scarcity and decision making

- Casaburi, L. and Macchiavello, R., 2019. Demand and supply of infrequent payments as a commitment device: Evidence from Kenya. *American Economic Review* 109(2), pp.523-55.
- Bai, L., Handel, B., Miguel, E. and Rao, G., 2017. Self-control and demand for preventive health: Evidence from hypertension in india (No. w23727). National Bureau of Economic Research.
- Kaur, S., Kremer, M. and Mullainathan, S., 2015. Self-control at work. *Journal of Political Economy*, 123(6), pp.1227-1277.

7. The Psychology of Poverty (Ibanez)

Lecture

Dean, E., Schilbach, F. and Schofield, H., 2016. Poverty and cognitive function. In Barrett, C.B., Carter, M., Chavas, J.P. and Carter, M.R. eds., 2019. *The economics of poverty traps*. University of Chicago Press.

Schilbach, F., Schofield, H. and Mullainathan, S., 2016. The psychological lives of the poor. *American Economic Review*, 106(5), pp.435-40.

Additional material

Bessone, P., Rao, G., Schilbach, F., Schofield, H. and Toma, M., 2020. The Economic Consequences of Increasing Sleep Among the Urban Poor (No. w26746). National Bureau of Economic Research.

Mullainathan, S. and Shafir, E., 2013. *Scarcity: Why having too little means so much*. Macmillan.

World Bank. 2015. *World Development Report 2015: Mind, Society, and Behavior*. Washington, DC: World Bank. doi: 10.1596/978-1-4648-0342-0. (Chapter 4 and 5)

Tutorial: Behavioral Development and Scarcity and Decision Making

Ong, Q., Theseira, W. and Ng, I.Y. 2019. Reducing debt improves psychological functioning and changes decision-making in the poor. *Proceedings of the National Academy of Sciences*, 116(15), pp.7244-7249.

Spears, D., 2011. Economic decision-making in poverty depletes behavioral control. *The BE Journal of Economic Analysis & Policy*, 11(1). Kaur, S., Mullainathan, S., Oh, S. and Schilbach, F., 2019. Does Financial Strain Lower Productivity?. Working Paper.

Prediger, S., Vollan, B. and Herrmann, B. 2014. Resource scarcity and antisocial behavior. *Journal of Public Economics*, 119, pp.1-9.

Riley, E., 2017. Increasing students' aspirations: the impact of Queen of Katwe on students' educational attainment. In CSAE Working Paper WPS/2017-13.

8. Media and Political Outcomes (Langlotz)

Lecture

Durante, R., P. Pinotti, and A. Tesei. 2019. The Political Legacy of Entertainment TV. *American Economic Review* 109 (7): 2497–2530.

* Guriev, S., N. Melnikov, and E. Zhuravskaya. 2020. 3G Internet and Confidence in Government. *The Quarterly Journal of Economics* 136 (4): 2533-2613. doi: 10.1093/qje/qjaa040.

Additional material

Armand, A., P. Atwell, and J.F. Gomes. 2020. The Reach of Radio: Ending Civil Conflict through Rebel Demobilization. *American Economic Review* 110 (5): 1395–1429.

Dietrich, N., and K. Eck. 2020. Known Unknowns: Media Bias in the Reporting of Political Violence. *International Interactions* 46 (6): 1043–1060.

Tutorial

- Adena, M., R. Enikolopov, M. Petrova, V. Santarosa, and E. Zhuravskaya. 2015. Radio and the Rise of the Nazis in prewar Germany. *The Quarterly Journal of Economics* 130 (4): 1885–1939.
- Armand, A., P. Atwell, and J.F. Gomes. 2020. The Reach of Radio: Ending Civil Conflict through Rebel Demobilization. *American Economic Review* 110 (5): 1395–1429.
- DellaVigna, S., R. Enikolopov, V. Mironova, M. Petrova, and E. Zhuravskaya. 2014. Crossborder Media and Nationalism: Evidence from Serbian Radio in Croatia. *American Economic Journal: Applied Economics* 6 (3): 103–32.
- Manacorda, M., and A. Tesei. 2020. Liberation Technology: Mobile Phones and Political Mobilization in Africa. *Econometrica* 88 (2): 533-567.

9. Conflict and Development (Langlotz)

Lecture

- * Berman, N., and M. Couttenier. 2015. External Shocks, Internal Shots: The Geography of Civil Conflicts. *Review of Economics and Statistics* 97 (4): 758–776.

Additional material

- Blair, G., D. Christensen, and A. Rudkin. 2021. Do Commodity Price Shocks Cause Armed Conflict? A Meta-Analysis of Natural Experiments. *American Political Science Review* 115 (1): 1-8.
- 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.

Tutorial

- Angrist, J.D., and A.D. 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.
- Berman, N., M. Couttenier, D. Rohner, and M. Thoenig. 2017. This Mine is Mine! How Minerals Fuel Conflicts in Africa. *American Economic Review* 107 (6): 1564–1610.
- Sexton, R. 2016. Aid as a Tool against Insurgency: Evidence from Contested and Controlled Territory in Afghanistan. *The American Political Science Review* 110 (4): 731–749.
- Voors, M. J., E. E. M. Nillesen, P. Verwimp, E.H. Bulte, R. Lensink, and D. P. Van Soest. 2012. Violent Conflict and Behavior: A Field Experiment in Burundi. *American Economic Review* 102 (2): 941–964.

10. Politics of Development Aid (Fuchs)

Lecture

* Budjan, A.J., and A. Fuchs. 2021. Democracy and Aid Donorship. *American Economic Journal: Economic Policy* 13 (4): 217-238.

Additional material

Alesina, A., and D. Dollar. 2000. Who Gives Foreign Aid to Whom and Why? *Journal of Economic Growth* 5 (1): 33-63.

Doucouliafos, H. 2019. The Politics of International Aid. In *The Oxford Handbook of Public Choice* Volume 2 edited by R.D. Congleton, B. Grofman, and S. Voigt. New York, NY: Oxford University Press.

Tutorial

Annen, K., and S. Strickland. 2017. Global Samaritans? Donor Election Cycles and the Allocation of Humanitarian Aid. *European Economic Review* 96: 38-47.

Bommer, C., A. Dreher, and M. Perez-Alvarez. 2019. Home Bias in Humanitarian Aid: The Role of Regional Favoritism in the Allocation of International Disaster Relief. *Journal of Public Economics* 208: 104604.

Briggs, R.C. 2021. Why Does Aid Not Target the Poorest? *International Studies Quarterly* 65 (3): 739-752.

11. Effectiveness of Development Aid (Fuchs)

Lecture

* Galiani, S., S. Knack, L.C. Xu, and B. Zou. 2017. The Effect of Aid on Growth: Evidence from a Quasi-Experiment. *Journal of Economic Growth* 22: 1-33.

Additional material

Burnside, C. and D. Dollar. 2000. Aid, Policies, and Growth. *American Economic Review* 90 (4): 847-868.

Doucouliafos, H. and M. Paldam. 2009. The Aid Effectiveness Literature: The Sad Results of 40 Years of Research. *Journal of Economic Surveys* 23 (3): 433-461.

Easterly, W. 2003. Can Foreign Aid Buy Growth? *Journal of Economic Perspectives* 17 (3): 23-48.

Tutorial

Bluhm, R., M. Gassebner, S. Langlotz, and P. Schaudt. 2016. Fueling Conflict? (De)escalation and Bilateral Aid. *Journal of Applied Econometrics* 36 (2): 244-261.

Dreher, A., A. Fuchs, R. Hodler, B.C. Parks, P.A. Raschky, and M.J. Tierney. 2021. Is Favoritism a Threat to Chinese Aid Effectiveness? A Subnational Analysis of Chinese Development Projects. *World Development* 139: 105291.

Nunn, N. and N. Qian. 2014. US Food Aid and Civil Conflict. *American Economic Review* 104 (6): 1630-1666.

12. International Financial Institutions (Fuchs)

Lecture

- * Lang, V. 2020. The Economics of the Democratic Deficit: The Effect of IMF Programs on Inequality. *Review of International Organizations* 16: 599-623.

Tutorial

- Asatryan, Z. and A. Havlik 2020. The Political Economy of Multilateral Lending to European Regions. *Review of International Organizations* 15: 707–740.
- Carnegie, A. and C. Samii. 2019. International Institutions and Political Liberalization: Evidence from the World Bank Loans Program. *British Journal of Political Science* 49 (4): 1357-1379.
- Gehring, K. and V. Lang. 2020. Stigma or Cushion? IMF Programs and Sovereign Creditworthiness. *Journal of Development Economics* 146 (C): 102507.

13. Modern vs. Pre-Modern Growth (Strulik)

Lecture

- * Mankiw, N.G., D. Romer, and D.N. Weil. 1992. A Contribution to the Empirics of Economic Growth. *Quarterly Journal of Economics* 107: 407-437.
- Ashraf, Q., and O. Galor. 2011. Dynamics and Stagnation in the Malthusian Epoch. *American Economic Review* 101 (5): 2003-2041.
- Kremer, M. 1993. Population Growth and Technological Change: One Million BC to 1990. *Quarterly Journal of Economics* 108 (3): 681-716.

Tutorial

- Caselli, F. 2005. Accounting for Cross-Country Income Differences. In *Handbook of Economic Growth* Vol. 1A, edited by P. Aghion, and S.N. Durlauf, 679–741. New York: North-Holland.
- Hsieh, C. T., and P.J. Klenow. 2010. Development Accounting. *American Economic Journal: Macroeconomics* 2 (1): 207-223.
- Hall, R.E., and C.I. Jones. 1999. Why Do Some Countries Produce so Much More Output per Worker than Others? *Quarterly Journal of Economics* 114 (1): 83–116.
- Voigtländer, N., and H.J. Voth. 2012. The Three Horsemen of Riches: Plague, War, and Urbanization in Early Modern Europe. *Review of Economic Studies* 80 (2): 774-811.
- Sharp, P., H. Strulik, and J. Weisdorf. 2012. The Determinants of Income in a Malthusian Equilibrium. *Journal of Development Economics* 97 (1): 112-117.
- Lee, R.D. 1987. Population Dynamics of Humans and Other Animals. *Demography* 24 (4): 443-465.

14. The Demographic Transition and History Augmented Solow Model (Strulik)

Lecture

- Lee, R. 2003. The Demographic Transition: Three Centuries of Fundamental Change. *The Journal of Economic Perspectives* 17 (4): 167-190.
- Reher, D. S. 2004. The Demographic Transition Revisited as a Global Process. *Population, Space and Place* 10 (1): 19-41.
- * Dalgaard, C. J., and H. Strulik. 2013. The History Augmented Solow Model. *European Economic Review* 63: 134-149.

Madsen, J. B., and H. Strulik. 2022. Testing Unified Growth Theory: Technological Progress and the Child Quantity–Quality Trade-Off. *Quantitative Economics*, forthcoming, <https://qeconomics.org/ojs/forth/1751/1751-3.pdf>

Tutorial

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