

Reading list for the course *Applied Microeconometrics and Causal Inference*

** I will assume you have read these.

* Will be covered extensively during the lectures. It is good if you have a look at these.

Non marked are good references, especially if you will be using these methods on your own.

Lecture 1: Introduction, potential outcomes, and randomization.

This lecture will give an introduction to the course. We will cover the nuts and bolts of doing a randomized experiment: Pitfalls, power calculations, clustered designs, ethical discussion, and practical tips. But we will also take the opportunity to discuss some recent advances in regression analysis (yes, there are actually quite interesting things happening here) and we will also cover some discussions on external and internal validity.

Books:

The following two books are highly recommended and can be seen as the Bibles for causal inference. The first one is a really good description of the topics during this course and the second is extremely valuable once you want to implement any of the methods using Stata.

Angrist and Pischke. 2009. *Mostly Harmless Econometrics*. Princeton University Press.

Cameron, Colin and Pravin Trivedi (2010), "Microeconometrics Using Stata", Stata Press

The following books are also good references:

Cameron, Colin and Pravin Trivedi (2005), "Microeconometrics: Methods and Applications", Cambridge University Press.

Wooldridge, Jeffrey M. (2001), "Econometric Analysis of Cross Section and Panel Data", MIT Press.

Overview articles:

The following cover most of the material in the course:

Angrist, J. D., and A. B. Krueger (1999), "Empirical Strategies in Labor Economics". In O. Ashenfelter and D. Card (editors), *Handbook of Labor Economics*, 3A. North-Holland.

Imbens, G. I. and J. M. Wooldridge (2009) "Recent Developments in the Econometrics of Program Evaluation", *Journal of Economic Literature*, 47(1): 5–86.

Articles

Required reading before class:

** Duflo, Esther, Rachel Glennerster, and Michael Kremer. 2006. "Using Randomization in Development Economics Research: A Toolkit." BREAD Working Paper 136. (At least read pages 1-14 and 66-75)

** Miguel, E. et al. 2014. "Promoting Transparency in Social Science Research" *Science*, 343(6166), 30-31.

Good if you have a look at before class:

* Finseraas and Kotsadam (2014). Pre-Analysis Plan for the project "Does Exposure to Ethnic Minorities Affect Support for Welfare Dualism? Evidence From a Field Experiment." <https://andreaskotsadam.files.wordpress.com/2012/02/pre-analysis-plan.pdf>

Advances in regression analysis:

* Oster, Emily. *Unobservable selection and coefficient stability: Theory and validation*. No. w19054. National Bureau of Economic Research, 2013.

Newer version on her homepage: <http://faculty.chicagobooth.edu/emily.oster/papers/selection.pdf>

* Altonji, Joseph G., Todd E. Elder, and Christopher R. Taber. "Selection on Observed and Unobserved Variables: Assessing the Effectiveness of Catholic Schools." *Journal of Political Economy* 113.1 (2005).

* Altonji, Joseph, Timothy Conley, Todd Elder, and Christopher Taber, 2013. "Methods for Using Selection on Observed Variables to Address Selection on Unobserved Variables." On Elders homepage: <https://www.msu.edu/~telder/>

* Conley, T. G., Hansen, C. B., & Rossi, P. E. (2012). Plausibly exogenous. *Review of Economics and Statistics*, 94(1), 260-272. (Will also be covered on the IV lecture).
We will also discuss the application of AET stats in:

* Nunn, N., & Wantchekon, L. (2011). The Slave Trade and the Origins of Mistrust in Africa. *American Economic Review*, 101(7), 3221-52.

For those with an extra interest in the topic:

There is an interesting discussions in The Journal of Economic Perspectives, Volume 24, Number 2, Spring 2010. Starting with:

Angrist and Pischke, "The Credibility Revolution in Empirical Economics: How Better Research Design Is Taking the Con out of Econometrics"

Other good references

Berk, R. 2005. "Randomized experiments as the bronze standard". *Journal of Experimental Criminology* 1: 417-433.

Dahl, G. B., Kostol, A. R., & Mogstad, M. (2013). *Family welfare cultures* (No. w19237). National Bureau of Economic Research. Forthcoming in *Quarterly Journal of Economics*. Latest verion on Magne's homepage: https://sites.google.com/site/magnemogstad/fwc_SSB_DPv.pdf?attredirects=0&d=1

Gangl, Markus. 2010. "Causal Inference in Sociological Research". *Annual Review of Sociology*, 36(21-47).

Gelman, A., & Imbens, G. (2013). *Why ask why? Forward causal inference and reverse causal questions* (No. w19614). National Bureau of Economic Research.

Miriam Bruhn and David McKenzie (2009) "In Pursuit of Balance: Randomization in Practice in Development Field Experiments", *American Economic Journal: Applied Economics*, 1(4): 200-232.

Pritchett, L., & Sandefur, J. (2013). Context Matters for Size: Why External Validity Claims and Development Practice do not Mix. *Journal of Globalization and Development*, 4(2), 161-197.

Video

Glennerster, Rachel, Abhijit Banerjee, and Esther Duflo. *RES.14-002 Abdul Latif Jameel Poverty Action Lab Executive Training: Evaluating Social Programs 2011, Spring 2011*. (Massachusetts Institute of Technology: MIT OpenCourseWare): <http://ocw.mit.edu/resources/res-14-002-abdul-latif-jameel-poverty-action-lab-executive-training-evaluating-social-programs-2011-spring-2011/index.htm>

Podcast

EconTalk Episode with Austin Frakt. An interesting discussion about power analysis. http://www.econtalk.org/archives/2013/05/frakt_on_medica.html

Blog

Development Impact: <http://blogs.worldbank.org/impactevaluations/>

A good blog discussing RCT's but also many other topics that we cover. Mostly development economics but many issues of general interest as well.

Excellent collection of their technical posts here: <http://blogs.worldbank.org/impactevaluations/curated-list-our-postings-technical-topics-your-one-stop-shop-methodology>

Lecture 2: Instrumental variables.

Required reading before class:

**Murray, Michael (2006b). "Avoiding invalid instruments and coping with weak instruments." *The Journal of Economic Perspectives* 20.4: 111-132.

** Deaton, Angus S. *Instruments of development: Randomization in the tropics, and the search for the elusive keys to economic development*. No. w14690. National Bureau of Economic Research, 2009.

** Imbens, Guido W. *Better LATE than nothing: Some comments on Deaton (2009) and Heckman and Urzua (2009)*. No. w14896. National Bureau of Economic Research, 2009.

Good if you have a look at before class:

*Acemoglu, D., S. Johnson, and J. A. Robinson (2001). The colonial origins of comparative development: an empirical investigation, *American Economic Review* 91(5), 1369-1401.

*Angrist, J. 2005. "Instrumental variables methods in experimental criminological research: what, why and how". *Journal of Experimental Criminology* 2:1-22.

* Apel, Robert, et al. "Using state child labor laws to identify the causal effect of youth employment on deviant behavior and academic achievement." *Journal of Quantitative Criminology* 24.4 (2008): 337-362.

*Glaeser E, La Porta L., Lopez-de-silanes F., and Schleifer, A. Do institutions cause growth? *Journal of Economic Growth*, Vol. 9(3): 271-303.

* Imbens, G. W. (2014). *Instrumental Variables: An Econometrician's Perspective* (No. w19983). National Bureau of Economic Research. (*I liked chapter 4 (pp. 25-46 of this paper)*)

* Conley, T. G., Hansen, C. B., & Rossi, P. E. (2012). Plausibly exogenous. *Review of Economics and Statistics*, 94(1), 260-272.

For those with an extra interest in the topic:

Bollen, K. A. (2012). "Instrumental variables in sociology and the social sciences." *Annual Review of Sociology*, 38, 37-72.

Hernan, M. and Robins, J. 2006. "Instruments for Causal Inference – An Epidemiologist's dream?" *Epidemiology* 17:4.

Murray, Michael (2006a). "The bad, the weak, and the ugly: Avoiding the pitfalls of instrumental variables estimation."

Lecture 3: Regression discontinuity.

Required reading before class:

** Lee, David S., and Thomas Lemieux. *Regression discontinuity designs in economics*. No. w14723. National Bureau of Economic Research, 2009. (*There are many references in this paper for the interested reader*)

** Lundqvist, H., Dahlberg, M., & Mörk, E. (2014). Stimulating Local Public Employment: Do General Grants Work?. *American Economic Journal: Economic Policy*, 6(1), 167-192.

Critique by Per Pettersson-Lidbom:

**Pettersson-Lidbom, P. (2013). "Stimulating Local Public Employment: Do General Grants Work?:Comment1." <http://people.su.se/~pepet/Note1.pdf>

**Pettersson-Lidbom, P. (2014) "Stimulating Local Public Employment: Do General Grants Work?:Comment2." 2014. <http://people.su.se/~pepet/Table.pdf>

Good if you have a look at before class:

* Card, D., Lee, D., Pei, Z., & Weber, A. (2012). Nonlinear policy rules and the identification and estimation of causal effects in a generalized regression kink design (No. w18564). National Bureau of Economic Research.

*Fujiwara, T. 2014. "Voting Technology, Political Responsiveness, and Infant Health: Evidence from Brazil." Latest version on his homepage:
http://www.princeton.edu/~fujiwara/papers/elecvote_site.pdf

* Gelman, Andrew, and Guido Imbens. *Why High-order Polynomials Should not be Used in Regression Discontinuity Designs*. No. w20405. National Bureau of Economic Research, 2014.

* The chapter on RD in Angrist and Pische (2009)

*Pettersson-Lidbom, P. (2008). DO PARTIES MATTER FOR ECONOMIC OUTCOMES? A REGRESSION-DISCONTINUITY APPROACH. *Journal of the European Economic Association*, 6(5), 1037-1056.

For those with an extra interest in the topic:

RD can also be used with dates, see these three references for examples:

Dahl, G. B., Løken, K. V., & Mogstad, M. (2012). *Peer effects in program participation* (No. w18198). National Bureau of Economic Research. Forthcoming in *American Economic Review*. Latest verion on Magne's homepage: <https://sites.google.com/site/magnemogstad/DahlLokenMogstad-revision2.pdf?attredirects=0&d=1>

Finseraas, Henning, Niklas Jakobsson, and Andreas Kotsadam. "Did the Murder of Theo van Gogh Change Europeans' Immigration Policy Preferences?." *Kyklos* 64.3 (2011): 396-409.

Kotsadam, Andreas, and Henning Finseraas. "Causal Effects of Parental Leave on Adolescents' Household Work." *Social Forces* (2013).

Or in space (these papers will be covered extensively if we have the final lecture on spatial econometrics/GIS):

Dell, M. (2010). The persistent effects of Peru's mining mita. *Econometrica*, 78(6), 1863-1903.

Michalopoulos, S., & Papaioannou, E. (2011). *Divide and Rule or the Rule of the Divided? Evidence from Africa* (No. w17184). National Bureau of Economic Research.

Which eventually turned in to two top 5 publications:

Michalopoulos, S., & Papaioannou, E. (2013). Pre-Colonial Ethnic Institutions and Contemporary African Development. *Econometrica*, 81(1), 113-152.

Michalopoulos, S., & Papaioannou, E. (2014). National Institutions and Subnational Development in Africa*. *The Quarterly journal of economics*, 129(1), 151-213.

Lab 1 : Instrumental variables and RD:

Part 1 IV:

We will replicate:

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

Critique and reply is of course interesting and valuable for learning:

*Ciccone, A. (2011). Economic shocks and civil conflict: A comment. *American Economic Journal: Applied Economics*, 3(4), 215-227.

*Miguel, E., & Satyanath, S. (2011). Re-examining economic shocks and civil conflict. *American Economic Journal: Applied Economics*, 3(4), 228-232.

We will also replicate some results from Card:

*Card, David (1993). "Using Geographic Variation in College Proximity to Estimate the Return to Schooling." NBER Working Paper 4483. Cambridge, M.A: National Bureau of Economic Research.

Other references for the lab are:

Baum, Christopher F., Mark E. Schaffer, and Steven Stillman (2007). "Enhanced routines for instrumental variables/GMM estimation and testing." Boston College Economics Working Paper No. 667.

Stock, James H., Jonathan H. Wright, and Motohiro Yogo (2002). "A Survey of Weak Instruments and Weak Identification in Generalized Method of Moments," *Journal of Business & Economics Statistics* 20:4, pp.518-529.

Wooldridge, J. M. (2004): "Cluster-Sample Methods in Applied Econometrics," *American Economic Review*, 93(2), 133-138.

If you are interested in rainfall and especially if you will work with climate variables you should read:

Dell M, Jones B, Olken B. What Do We Learn from the Weather? The New Climate-Economy Literature. *Journal of Economic Literature*. 2014.

Part 2 RD:

We will replicate:

* Lee, David S., Enrico Moretti, and Matthew J. Butler. "Do voters affect or elect policies? Evidence from the US House." *The Quarterly Journal of Economics* (2004): 807-859.

And discuss the critique of:

*Caughey, Devin, and Jasjeet S. Sekhon. "Elections and the regression discontinuity design: Lessons from close us house races, 1942–2008." *Political Analysis* 19.4 (2011): 385-408.

Between lectures 3 and 4: Write mock referee reports on three papers.

Write maximum 2 pages per report. Focus on the empirical part and on the identification strategy in particular. Send in reports on December 1st. These are the papers:

**Alesina, A., Giuliano, P., & Nunn, N. (2013). On the Origins of Gender Roles: Women and the Plough. *The Quarterly Journal of Economics*, 128(2), 469-530.

**Dahl, G. B., Kostol, A. R., & Mogstad, M. (2014). Family welfare cultures. *Take the version in our dropbox folder so we all have the same.*

**Jensen, R., & Oster, E. (2009). The power of TV: cable television and women's status in India. *The Quarterly Journal of Economics*, 124(3), 1057-1094.

Lecture 4: Diff-in-diff(-in-diff), synthetic control groups and other panel data strategies

Required reading before class:

**Abadie, A., Diamond, A., & Hainmueller, J. (2014). Comparative politics and the synthetic control method. *American Journal of Political Science*.

** Almond, D., Edlund, L., & Palme, M. (2009). Chernobyl's Subclinical Legacy: Prenatal Exposure to Radioactive Fallout and School Outcomes in Sweden. *The Quarterly Journal of Economics*, 124(4), 1729-1772.

**Tarjei Havnes and Magne Mogstad (2011) No Child Left Behind: Subsidized Child Care and Children's Long-Run Outcomes, *American Economic Journal: Economic Policy* 3(May 2011): 97-129.

Good if you have a look at before class:

*Abadie, A., & Gardeazabal, J. (2003). The economic costs of conflict: A case study of the Basque Country. *American economic review*, 113-132.

*Bertrand, Marianne, Esther Duflo and Sendhil Mullainathan (2004), "How Much Should We Trust Differences-in-Differences Estimates?" *Quarterly Journal of Economics*, 119(1), 249-275

* Black, S. E., Bütikofer, A., Devereux, P. J., & Salvanes, K. G. (2014). This Is Only a Test? Long-Run and Intergenerational Impacts of Prenatal Exposure to Radioactive Fallout. Latest version here:

https://www.gsb.stanford.edu/sites/default/files/documents/ame_10_14_black.pdf

*Miller, G. (2008). Women's suffrage, political responsiveness, and child survival in American history. *The Quarterly Journal of Economics*, 123(3), 1287.

*Pål Schøne (2004) Labour supply effects of a cash-for-care subsidy, *Journal of Population Economics* 17(4):703-727.

The minimum wage debate is interesting and is full with methodological debate about DD. We will go through these papers in class:

*David Card and Alan B. Krueger (1994) Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania, *American Economic Review* 84(4):772-793.

*Dube, A., Lester, T. W., & Reich, M. (2010). Minimum wage effects across state borders: Estimates using contiguous counties. *The review of economics and statistics*, 92(4), 945-964.

*Allegretto, S., Dube, A., Reich, M., & Zipperer, B. (2013). Credible research designs for minimum wage studies.

*Magruder, J. R. (2013). Can minimum wages cause a big push? Evidence from Indonesia. *Journal of Development Economics*, 100(1), 48-62.

*Neumark, D., Salas, J. M., & Wascher, W. (2014). *More on Recent Evidence on the Effects of Minimum Wages in the United States* (No. w20619). National Bureau of Economic Research.

For those with an extra interest in the topic:

Aidt, T. S., & Shvets, J. (2012). Distributive politics and electoral incentives: Evidence from seven US state legislatures. *American Economic Journal: Economic Policy*, 4(3), 1-29.

Critique by Per Pettersson-Lidbom:

Distributive Politics and Electoral Incentives: Evidence from Seven US State Legislatures-A comment. <http://people.su.se/~pepet/Note2.pdf>

However: Shvets replies here:
<https://www.aeaweb.org/articles.php?doi=10.1257/pol.4.3.1>

Critical replication of Jensen, R., & Oster, E. (2009) by Iversen and Palmer-Jones as well as reply by Jensen and Oster is found here:
<http://www.3ieimpact.org/en/publications/3ie-replication-paper-series/3ie-replication-paper-2/>

Donohue, J. J., & Wolfers, J. USES AND ABUSES OF EMPIRICAL EVIDENCE IN THE DEATH PENALTY DEBATE. *STANFORD LAW REVIEW*, 58, 791.

Schlotter et al. (2009) *Econometric Methods for Causal Evaluation of Education Policies and Practices: A Non-Technical Guide* IZA DP No. 4725.

Lab 2

We will replicate an example from this book. See the chapter on panel data if you have time and have the book, you will get all necessary details during the lab.

* Cameron, Colin and Pravin K. Trivedi. 2009. *Microeconomics Using Stata*. College Station: Stata Press.

We will also replicate the results in:

*Abadie, A., Diamond, A., & Hainmueller, J. (2010). Synthetic control methods for comparative case studies: Estimating the effect of California's tobacco control program. *Journal of the American Statistical Association*, 105(490).

And using fake data we will conduct a similar analysis as:

*Pål Schøne (2004) Labour supply effects of a cash-for-care subsidy, *Journal of Population Economics* 17(4):703-727.

Lecture 5. Extra topic part 1: Peer effects.

Required reading before class:

** Sacerdote, Bruce. "Peer effects in education: How might they work, how big are they and how much do we know thus far?." *Handbook of the Economics of Education* 3 (2011): 249-277.

** Stinebrickner, Ralph, and Todd R. Stinebrickner. "What can be learned about peer effects using college roommates? Evidence from new survey data and students from disadvantaged backgrounds." *Journal of public Economics* 90.8 (2006): 1435-1454.

Good if you have a look at before class:

*Angrist, J. D. (2014). The perils of peer effects. *Labour Economics*.

* Bramoullé, Yann, Habiba Djebbari, and Bernard Fortin. "Identification of peer effects through social networks." *Journal of econometrics* 150.1 (2009): 41-55.

* Finseraas and Kotsadam (2014). Pre-Analysis Plan for the project "Does Exposure to Ethnic Minorities Affect Support for Welfare Dualism? Evidence From a Field Experiment." <https://andreakotsadam.files.wordpress.com/2012/02/pre-analysis-plan.pdf>

* Fryer, R., and L. Katz. "Achieving Escape Velocity: Neighborhood and School Interventions to Reduce Persistent Inequality." *American Economic Review* 103.3 (2013): 232-37.

* Harding, David J. "Counterfactual Models of Neighborhood Effects: The Effect of Neighborhood Poverty on Dropping Out and Teenage Pregnancy1." *American Journal of Sociology* 109.3 (2003): 676-719.

* Hoxby, Caroline. *Peer effects in the classroom: Learning from gender and race variation*. No. w7867. National Bureau of Economic Research, 2000.

* Hoxby, Caroline M., and Gretchen Weingarth. *Taking race out of the equation: School reassignment and the structure of peer effects*. Working paper, 2005.

* Manski, Charles F. *Economic analysis of social interactions*. No. w7580. National Bureau of Economic Research, 2000. (Pages 23-27 are very good for our purposes)

* Lauen, Douglas Lee, and S. Michael Gaddis. "Exposure to Classroom Poverty and Test Score Achievement: Contextual Effects or Selection?" *American Journal of Sociology* 118.4 (2013): 943-979.

* Ludwig, J., Duncan, G. J., Gennetian, L. A., Katz, L. F., Kessler, R. C., Kling, J. R., & Sanbonmatsu, L. (2012). Neighborhood effects on the long-term well-being of low-income adults. *Science*, 337(6101), 1505-1510.

* Lyons, Christopher J., María B. Vélez, and Wayne A. Santoro. "Neighborhood Immigration, Violence, and City-Level Immigrant Political Opportunities." *American Sociological Review* (2013).

* Manski, Charles F. "Identification of endogenous social effects: The reflection problem." *The review of economic studies* 60.3 (1993): 531-542.

*Vigdor, Jacob, and Thomas Nechyba. "Peer effects in North Carolina public schools." *Schools and the equal opportunity problem* (2007): 73-101.

For those with an extra interest in the topic:

Acemoglu, Daron, and Joshua Angrist. "How large are human-capital externalities? evidence from compulsory-schooling laws." *NBER Macroeconomics Annual 2000, Volume 15*. MIT PRes, 2001. 9-74.

Anelli, Massimo, and Giovanni Peri. *The Long Run Effects of High-School Class Gender Composition*. No. w18744. National Bureau of Economic Research, 2013.

Beaman, Lori, et al. "Powerful women: does exposure reduce bias?." *The Quarterly Journal of Economics* 124.4 (2009): 1497-1540.

Boisjoly, Johanne, et al. "Empathy or antipathy? The impact of diversity." *The American economic review* 96.5 (2006): 1890-1905.

Brock, William A., and Steven N. Durlauf. "Interactions-based models." *Handbook of econometrics* 5 (2001): 3297-3380.

Carrell, Scott E., Bruce I. Sacerdote, and James E. West. *From natural variation to optimal policy? The Lucas critique meets peer effects*. No. w16865. National Bureau of Economic Research, 2011.

Chetty, Raj, et al. "How does your kindergarten classroom affect your earnings? Evidence from Project STAR." *The Quarterly Journal of Economics* 126.4 (2011): 1593-1660.

Dahl, Gordon B., Katrine V. Løken, and Magne Mogstad. *Peer effects in program participation*. No. w18198. National Bureau of Economic Research, 2012.

Duncan, Greg J., et al. "Peer effects in drug use and sex among college students." *Journal of Abnormal Child Psychology* 33.3 (2005): 375-385.

Epple, Dennis, and Richard Romano. "Peer effects in education: A survey of the theory and evidence." *Handbook of Social Economics* 1.11 (2011): 1053-1163. (Very good from page 41, a lot of theory before that).

Glaeser, Edward L., Bruce I. Sacerdote, and Jose A. Scheinkman. "The social multiplier." *Journal of the European Economic Association* 1.2-3 (2003): 345-353.

Sacerdote, Bruce. "Peer effects with random assignment: Results for Dartmouth roommates." *The Quarterly Journal of Economics* 116.2 (2001): 681-704.

Sampson, Robert J., Jeffrey D. Morenoff, and Thomas Gannon-Rowley. "Assessing" neighborhood effects": Social processes and new directions in research." *Annual review of sociology* (2002): 443-478.

Sampson, Robert J. "Moving and the neighborhood glass ceiling." *Science* 337.6101 (2012): 1464-1465.

Washington, Ebonya. *Female Socialization: How Daughters Affect Their Legislators' Fathers' Voting on Women's Issues*. No. w11924. National Bureau of Economic Research, 2006.

Zimmerman, David J. "Peer effects in academic outcomes: Evidence from a natural experiment." *Review of Economics and Statistics* 85.1 (2003): 9-23.

Lecture 6. Extra topic part 2: Using ArcGIS for causal inference.

Required reading before class:

** Michalopoulos, S., & Papaioannou, E. (2011). *Divide and Rule or the Rule of the Divided? Evidence from Africa* (No. w17184). National Bureau of Economic Research. (Which eventually turned in to two top 5 publications: Michalopoulos, S., & Papaioannou, E. (2013). Pre-Colonial Ethnic Institutions and Contemporary African Development. *Econometrica*, 81(1), 113-152. Michalopoulos, S., & Papaioannou, E. (2014). National Institutions and Subnational Development in Africa*. *The Quarterly Journal of Economics*, 129(1), 151-213.)

Good if you have a look at some of these before class:

* Cools, Flatø, and Kotsadam (2014). "Weather Shocks and Violence Against Women in Sub-Saharan Africa". Most recent version on my homepage: <http://andreaskotsadam.wordpress.com/3-work-in-progress/>

* Flatø and Kotsadam (2014). "Droughts and gender bias in infant mortality". Most recent version on my homepage: <http://andreaskotsadam.wordpress.com/3-work-in-progress/>

* Kotsadam and Tolonen (2014). Most recent version on my homepage: <http://andreaskotsadam.wordpress.com/3-work-in-progress/>

* Madestam, A., Shoag, D., Veuger, S., & Yanagizawa-Drott, D. (2013). Do Political Protests Matter? Evidence from the Tea Party Movement*. *The Quarterly Journal of Economics*, 128(4):1633-1685.

* Madestam, Andreas, and David Yanagizawa-Drott. 2012. Shaping the Nation: The Effect of Fourth of July on Political Preferences and Behavior in the United States. HKS Faculty Research Working Paper Series RWP12-034, John F. Kennedy School of Government, Harvard University

* Nunn, N., & Wantchekon, L. (2011). The Slave Trade and the Origins of Mistrust in Africa. *American Economic Review*, 101(7), 3221-52.

Night time light papers:

* Almås, Auglænd-Johnsen, and Kotsadam (2014). "Poverty in China as seen from outer Space". Most recent version on my homepage: <http://andreaskotsadam.wordpress.com/3-work-in-progress/>

* Hodler, R., & Raschky, P. A. (Forthcoming). Regional Favoritism. *The Quarterly Journal of Economics*, doi: 10.1093/qje/qju004

For those with an extra interest in the topic:

Pinkovskiy, M. (2013). "Economic Discontinuities at Borders: Evidence from Satellite Data on Lights at Night". Newest version at his homepage: https://www.google.no/search?hl=en&q=pinkowsky+night+time+light&meta=&gws_rd=ssl#hl=en&q=pinkowsky+night+time+light

Melissa Dell's Lecture notes. [GIS For Applied Economists \(Lecture Notes Only\)](#)

Masayuki Kudamatsu's fantastic course. All material is available online, I highly recommend this course: <https://sites.google.com/site/mkudamatsu/gis>