

# Economics 7340 - Growth and Development I

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## Objective

This class is for upper level graduate students. The course covers research on what I will call “comparative development”. This literature is about why some places are rich, and some are poor, but links this to historical or persistent differences in deeply rooted factors like culture, institutions, or biology. As part of studying this, a goal of the class is to introduce students to the major data sources and GIS software that is used in this literature, so that the students can collaborate on a paper within this subject area.

## Course Requirements

1. The primary requirement is a paper, which is due **May 3rd**. This paper can be done in pairs, if students wish. You may not use a project from another class to substitute for this paper. I have two topics on which you could write (one related to cousin marriage, one related to the role of water). I will distribute some details about these projects early in the semester. There is a high bar to convince me you should work on another topic.
2. In order to prepare you for writing this paper, there are several assignments throughout the early part of the semester that teach you to use GIS with RStudio. These assignments will introduce you to the major datasets that can be leveraged for studying the role of water. For each of these assignments, you should have a laptop available with you in class. We will work on these in class, and for the most part I expect that you will complete them in class. The dates are listed below in the course outline.
3. Also as part of the preparation for writing the paper, there is a literature review due on **March 6th**. The papers/books you will have to review will be part of the project details I distribute. This will need to be a 2000-3000 review that contains not just a summary of these papers, but also some speculation about hypotheses that could be tested, and data that would be necessary.
4. I'll expect that you will have read each of the listed papers in the course outline ahead of time, and will come prepared with several (2-3) questions or discussion points about *each*.

# Course Outline

## Overview

**Jan 14:** Introduction to broad themes of course, the persistence of economic development over time, culture and institutions as transmission mechanisms, and the path dependence of those, meaning history matters. The role of biological, climatic, and agricultural conditions in determining culture and institutions.

## Persistence

**Jan 16:** Economic development appears to persist, and places that are rich now were (usually) rich in the past. Or, to be more accurate, population groups that are rich now are descended from population groups that were rich in the past, but they may have moved. Read carefully:

- L. Putterman and D. N. Weil (2010). “Post-1500 Population Flows and the Long-Run Determinants of Economic Growth and Inequality”. *Quarterly Journal of Economics* 125.4, pp. 1627–1682
- D. Comin, W. Easterly, and E. Gong (2010). “Was the Wealth of Nations Determined in 1000 BC?”. *American Economic Journal: Macroeconomics* 2.3, pp. 65–97. URL: <http://www.jstor.org/stable/25760309>

**Jan 23:** The location of economic development, and the determinants of that. How those determinants change with history. Read carefully:

- J. V. Henderson et al. (2016). *The Global Spatial Distribution of Economic Activity: Nature, History, and the Role of Trade*. NBER Working Papers 22145. National Bureau of Economic Research, Inc. URL: <https://ideas.repec.org/p/nbr/nberwo/22145.html>

**Jan 28 and 30:** Introduction to spatial data. RStudio and spatial packages. Types of spatial data, and converting from one to another. Merging. Zonal statistics. Creating a dataset from spatial data.

- Assignment: Maps and datasets of night lights

## Institutions and colonization

**Feb 4:** Introduction to the role of institutions. Ambiguity in definitions, and failures of empirical work at the country level. I’ll summarize this literature, as opposed to concentrating on a specific paper in detail.

**Feb 6:** Sub-national studies of institutions within Africa. The importance of *historical* institutions relative to national measures of institutions. Leveraging spatial data to do sub-national analysis.

- S. Michalopoulos and E. Papaioannou (2014). “National Institutions and Subnational Development in Africa”. *Quarterly Journal of Economics* 129.1, pp. 151–213
- S. Michalopoulos and E. Papaioannou (2013). “Pre-colonial Ethnic Institutions and Contemporary African Development”. *Econometrica* 81.1, pp. 113–152

**Feb 11 and 13:** Ethnographic Atlas data, and matching this to maps of ethnicities and languages. Creating a dataset combining ethnographic and geographic data.

- Assignment: Building an ethnographic dataset

**Feb 18:** Research that establishes the persistent effects of specific colonial institutions on modern outcomes.

- M. Dell (2010). “The Persistent Effect of Peru’s Mining Mita”. *Econometrica* 78.6, pp. 1863–1903
- N. Nunn and L. Wantchekon (2011). “The Slave Trade and the Origins of Mistrust in Africa”. *American Economic Review* 101.7, pp. 3221–52

## Culture and family structure

**Feb 20:** Overview of the literature on culture and economic outcomes. Powerful correlations but more ambiguity. I’ll give an overview of this literature, as opposed to concentrating on a specific paper in detail.

**Feb 25 and 27:** Family structure as a cultural carrier or determinant of economic outcomes. Differences in family structure across the globe.

- J. F. Schulz et al. (2018). *The Origins of WEIRD Psychology*. Tech. rep. URL: [psyarxiv.com/d6qhu](https://psyarxiv.com/d6qhu)
- B. Enke (2017). *Kinship Systems, Cooperation and the Evolution of Culture*. Working Paper 23499. National Bureau of Economic Research. URL: <http://www.nber.org/papers/w23499>
- A. Greif and G. Tabellini (2017). “The clan and the corporation: Sustaining cooperation in China and Europe”. *Journal of Comparative Economics* 45.1, pp. 1–35. URL: <https://ideas.repec.org/a/eee/jcecon/v45y2017i1p1-35.html>

**Mar 4 and 6:** Use the World Values Survey and General Preference Survey to build measures of cultural attitudes within countries. Building measures of underlying ethnic makeup of national populations.

- Assignment: Build merged dataset of preferences and ethnic makeup
- A. Falk et al. (2018). “Global Evidence on Economic Preferences”. *The Quarterly Journal of Economics* 133.4, pp. 1645–1692. URL: <http://dx.doi.org/10.1093/qje/qjy013>
- P. Giuliano and N. Nunn (2018). “Ancestral Characteristics of Modern Populations”. *Economic History of Developing Regions* 33.1, pp. 1–17. URL: <https://ideas.repec.org/a/taf/rehdxx/v33y2018i1p1-17.html>

## Agricultural conditions

**Mar 18:** Overview of the literature on underlying agro-climatic conditions and development. The bundle of characteristics associated with rich countries, and is that necessary or contingent? I’ll summarize this literature, as opposed to concentrating on a specific paper in detail.

**Mar 20 and 25:** Specific cases of agricultural conditions driving culture or institutions.

- A. Alesina, P. Giuliano, and N. Nunn (2013). “On the Origins of Gender Roles: Women and the Plough”. *The Quarterly Journal of Economics* 128.2, pp. 469–530. URL: <http://ideas.repec.org/>

a/oup/qjecon/v128y2013i2p469-530.html

- M. Alsan (2015). “The Effect of the TseTse Fly on African Development”. *American Economic Review* 105.1, pp. 382–410. URL: <http://www.aeaweb.org/articles.php?doi=10.1257/aer.20130604>
- O. Galor and Ö. Özak (2016). “The Agricultural Origins of Time Preference”. *American Economic Review* 106.10, pp. 3064–3103. URL: <https://ideas.repec.org/a/aea/aecrev/v106y2016i10p3064-3103.html>
- J. C. Bugge (2017). *Irrigation, Collectivism and Long-Run Technological Divergence*. Cahiers de Recherches Economiques du Département d’Econométrie et d’Economie politique (DEEP) 17.06. Université de Lausanne, Faculté des HEC, DEEP. URL: <https://ideas.repec.org/p/lau/crdeep/17.06.html>

**Mar 27:** Differences in agricultural production functions as a mediator of productivity, culture, and institutions.

- D. Vollrath (2011). “The agricultural basis of comparative development”. *Journal of Economic Growth* 16 (4), pp. 343–370
- T. R. Johnson and D. Vollrath (2017). “The role of land in temperate and tropical agriculture”. Working paper

**Apr 1 and 3:** Using the GAEZ database to build measures of inherent agricultural productivity for spatial units.

- Assignment: Build merged dataset of agro-climatic characteristics and ethnic groups.

**Apr 8:** Students discuss their topic area, the hypothesis they are considering, the data necessary, and the empirical specification they want to run. Feedback.

## Diversity

**Apr 10:** Overview of the literature on population diversity, including genetic diversity, with culture, institutions, and comparative development. I’ll summarize this literature, as opposed to concentrating on a specific paper in detail.

**Apr 15:** Specific cases of measuring and establishing the role of diversity with economic outcomes.

- K. Desmet, I. Ortuño-Ortín, and R. Wacziarg (2017). “Culture, Ethnicity, and Diversity”. *American Economic Review* 107.9, pp. 2479–2513. URL: <https://ideas.repec.org/a/aea/aecrev/v107y2017i9p2479-2513.html>
- E. Spolaore and R. Wacziarg (2009). “The Diffusion of Development”. *Quarterly Journal of Economics* 124.2, pp. 469–529

**Apr 17:** Genetic variation and its role in development.

- Q. Ashraf and O. Galor (2013). “The “Out of Africa” Hypothesis, Human Genetic Diversity, and

Comparative Economic Development”. *American Economic Review* 1, pp. 1–46

- C. J. Cook (2015). “The Natural Selection of Infectious Disease Resistance and Its Effect on Contemporary Health”. *Review of Economics and Statistics*

## Building a paper

**Apr 22:** Students discuss topic area, hypothesis, and initial results.

**Apr 24 and 29:** Working days for students to improve introductions, code, and results.

## Further bibliography

This contains a deeper list of readings that pertain to different subject areas we cover. Papers in the syllabus are listed here again. There is also a list at the end of some books that are related to these larger questions which can be useful for background and/or mining for hypotheses.

## Overview

- N. Nunn (2009). “The Importance of History for Economic Development”. *Annual Review of Economics* 1, pp. 65–92
- L. Guiso, P. Sapienza, and L. Zingales (2006). “Does Culture Affect Economic Outcomes?” *Journal of Economic Perspectives* 20.2, pp. 23–48. URL: <http://ideas.repec.org/a/aea/jecper/v20y2006i2p23-48.html>
- E. Spolaore and R. Wacziarg (2013). “How Deep Are the Roots of Economic Development?” *Journal of Economic Literature* 51.2, pp. 325–369. URL: <https://ideas.repec.org/a/aea/jeclit/v51y2013i2p325-69.html>
- Q. H. Ashraf and O. Galor (2018). “The Macrogenoeconomics of Comparative Development”. *Journal of Economic Literature* 56.3, pp. 1119–1155. URL: <https://ideas.repec.org/a/aea/jeclit/v56y2018i3p1119-55.html>
- O. Galor (2012). “The demographic transition: causes and consequences”. *Cliometrica, Journal of Historical Economics and Econometric History* 6.1, pp. 1–28. URL: <http://ideas.repec.org/a/afc/cliome/v6y2012i1p1-28.html>

## Persistence

- D. Acemoglu, S. Johnson, and J. Robinson (2002). “Reversal of fortune: geography and development in the making of the modern world income distribution”. *Quarterly Journal of Economics* 117.4, pp. 1231–1294
- A. Chanda, C. J. Cook, and L. Putterman (2014). “Persistence of Fortune: Accounting for Population Movements, There Was No Post-Columbian Reversal”. *American Economic Journal: Macroeconomics* 6.3, pp. 1–28. URL: <http://ideas.repec.org/a/aea/aejmac/v6y2014i3p1-28.html>
- L. Putterman and D. N. Weil (2010). “Post-1500 Population Flows and the Long-Run Determinants of Economic Growth and Inequality”. *Quarterly Journal of Economics* 125.4, pp. 1627–1682

- D. Comin, W. Easterly, and E. Gong (2010). “Was the Wealth of Nations Determined in 1000 BC?”. *American Economic Journal: Macroeconomics* 2.3, pp. 65–97. URL: <http://www.jstor.org/stable/25760309>
- W. F. Maloney and F. Valencia Caicedo. “The Persistence of (Subnational) Fortune”. *The Economic Journal* 126.598, pp. 2363–2401. URL: <https://onlinelibrary.wiley.com/doi/abs/10.1111/econj.12276>
- S. Michalopoulos, L. Putterman, and D. N. Weil (2016). *The Influence of Ancestral Lifeways on Individual Economic Outcomes in Sub-Saharan Africa*. Working Paper 21907. National Bureau of Economic Research. URL: <http://www.nber.org/papers/w21907>
- H. Bleakley and J. Lin (2012). “Portage and Path Dependence”. *The Quarterly Journal of Economics* 127.2, pp. 587–644. URL: <http://ideas.repec.org/a/oup/qjecon/v127y2012i2p587-644.html>
- F. Rauch and G. Michaels (2013). *Resetting the Urban Network: 117-2012*. Economics Series Working Papers 684. University of Oxford, Department of Economics. URL: <http://ideas.repec.org/p/oxf/wpaper/684.html>

## Institutions

- S. Michalopoulos and E. Papaioannou (2014). “National Institutions and Subnational Development in Africa”. *Quarterly Journal of Economics* 129.1, pp. 151–213
- S. Michalopoulos and E. Papaioannou (2013). “Pre-colonial Ethnic Institutions and Contemporary African Development”. *Econometrica* 81.1, pp. 113–152
- J. B. Ang (2013). “Institutions and the long-run impact of early development”. *Journal of Development Economics* 105, pp. 1–18. URL: <http://www.sciencedirect.com/science/article/pii/S0304387813000862>
- M. Olson (1996). “Distinguished Lecture on Economics in Government: Big Bills Left on the Sidewalk: Why Some Nations are Rich, and Others Poor”. *The Journal of Economic Perspectives* 10.2, pp. 3–24. URL: <http://www.jstor.org/stable/2138479>
- D. Acemoglu, S. Johnson, and J. Robinson (2005). “The Rise of Europe: Atlantic Trade, Institutional Change, and Economic Growth”. *The American Economic Review* 95.3, pp. 546–579. URL: <http://www.jstor.org/stable/4132729>
- D. Acemoglu et al. (2011). “The Consequences of Radical Reform: The French Revolution”. *American Economic Review* 101.7, pp. 3286–3307
- D. Acemoglu, S. Johnson, and J. A. Robinson (2005). “Institutions and Fundamental Cause of Long-run Growth”. *Handbook of Economic Growth*. Ed. by P. Aghion and S. Durlauf. Vol. 1. North-Holland, pp. 385–472
- D. Albouy (2012). “The Colonial Origins of Comparative Development: An Empirical Investigation: Comment”. *American Economic Review* 102.6, pp. 3059–3076
- E. L. Glaeser et al. (2004). “Do Institutions Cause Growth?” *Journal of Economic Growth* 9 (3), pp. 271–303. URL: <http://dx.doi.org/10.1023/B:JOEG.0000038933.16398.ed>
- D. Ma (2013). “State capacity and great divergence, the case of Qing China (1644–1911)”. *Eurasian Geography and Economics* 54.5-6, pp. 484–499. URL: <https://www.tandfonline.com/doi/abs/10.>

1080/15387216.2014.907530

- J. W. McArthur and J. D. Sachs (2001). “Institutions and Geography: Comment on Acemoglu, Johnson, and Robinson (2000)”. NBER Working Paper 8114
- D. Rodrik, A. Subramanian, and F. Trebbi (2004). “Institutions Rule: The Primacy of Institutions Over Geography and Integration in Economic Development”. *Journal of Economic Growth* 9 (2), pp. 131–165. URL: <http://dx.doi.org/10.1023/B:JOEG.0000031425.72248.85>
- J. D. Sachs (2003). *Institutions Don't Rule: Direct Effects of Geography on Per Capita Income*. NBER Working Papers 9490. National Bureau of Economic Research, Inc. URL: <https://ideas.repec.org/p/nbr/nberwo/9490.html>

## Colonization and exploitation

- M. Dell (2010). “The Persistent Effect of Peru’s Mining Mita”. *Econometrica* 78.6, pp. 1863–1903
- D. Acemoglu, S. Johnson, and J. Robinson (2001). “The colonial origins of economic development: an empirical investigation”. *American Economic Review* 91.5, pp. 1369–1401
- A. Banerjee and L. Iyer (2005). “History, Institutions, and Economic Performance: The Legacy of Colonial Land Tenure Systems in India”. *The American Economic Review* 95.4, pp. 1190–1213. URL: <http://www.jstor.org/stable/4132711>
- S. O. Becker et al. (2016). “The Empire Is Dead, Long Live the Empire! LongRun Persistence of Trust and Corruption in the Bureaucracy”. *Economic Journal* 126.590, pp. 40–74. URL: <https://ideas.repec.org/a/wly/econjl/v126y2016i590p40-74.html>
- M. Bruhn and F. A. Gallego (2012). “Good, Bad, and Ugly Colonial Activities: Do they matter for Economic Development?” *Review of Economics and Statistics* 94.2, pp. 433–461
- A. Di Liberto and M. Sideri (2015). *Past Dominations, Current Institutions and the Italian Regional Economic Performance*. IZA Discussion Papers 8776. Institute for the Study of Labor (IZA). URL: <http://ideas.repec.org/p/iza/izadps/dp8776.html>
- C. Dippel, A. Greif, and D. Trefler (2015). *The Rents From Trade and Coercive Institutions: Removing the Sugar Coating*. NBER Working Papers 20958. National Bureau of Economic Research, Inc. URL: <http://ideas.repec.org/p/nbr/nberwo/20958.html>
- C. Dippel (2014). “Forced Coexistence and Economic Development: Evidence From Native American Reservations”. *Econometrica* 82, pp. 2131–2165. URL: <https://ideas.repec.org/a/wly/emetrp/v82y2014ip2131-2165.html>
- W. Easterly and R. Levine (2012). “The European Origins of Economic Development”. NBER Working Paper 18162
- J. Feyrer and B. Sacerdote (2009). “Colonialism and Modern Income: Islands as Natural Experiments”. *The Review of Economics and Statistics* 91.2, pp. 245–262. URL: <http://www.jstor.org/stable/25651336>
- N. Gennaioli and I. Rainer (2007). “The modern impact of precolonial centralization in Africa”. *Journal of Economic Growth* 12.3, pp. 185–234. URL: <https://doi.org/10.1007/s10887-007-9017-z>
- L. Guiso, P. Sapienza, and L. Zingales (2016). “Long-Term Persistence”. *Journal of the European*

- Economic Association* 14.6, pp. 1401–1436. URL: <https://ideas.repec.org/a/bla/jeurec/v14y2016i6p1401-1436.html>
- J. Naritomi, R. Soares, and J. J. Assuncao (2012). “Institutional Development and Colonial Heritage within Brazil”. *Journal of Economic History* 72.2, pp. 393–422
  - N. Nunn and L. Wantchekon (2011). “The Slave Trade and the Origins of Mistrust in Africa”. *American Economic Review* 101.7, pp. 3221–52
  - N. Nunn (2008). “The Long-Term Effects of Africa’s Slave Trades”. *The Quarterly Journal of Economics* 123.1, pp. 139–176. URL: <http://www.jstor.org/stable/25098896>
  - R. D. Woodberry (2012). “The Missionary Roots of Liberal Democracy”. *American Political Science Review* 106.2, pp. 244–274
  - F. V. Caicedo (2018). “The Mission: Human Capital Transmission, Economic Persistence, and Culture in South America\*”. *The Quarterly Journal of Economics*, qjy024. URL: <http://dx.doi.org/10.1093/qje/qjy024>
  - L. J. Alston, E. Harris, and B. Mueller (2009). *De Facto and De Jure Property Rights: Land Settlement and Land Conflict on the Australian, Brazilian and U.S. Frontiers*. NBER Working Papers 15264. National Bureau of Economic Research, Inc. URL: <https://ideas.repec.org/p/nbr/nberwo/15264.html>
  - R. Auer (2012). “Geography, Institutions, and the Making of Comparative Development”. CESifo Working Paper 3874
  - P. Buonanno et al. (2015). “Poor Institutions, Rich Mines: Resource Curse in the Origins of the Sicilian Mafia”. *Economic Journal* 125.586, pp. 175–202. URL: <https://ideas.repec.org/a/wly/econjl/v125y2015i586pf175-f202.html>
  - R. Hornbeck (2010). “Barbed Wire: Property Rights and Agricultural Development”. *The Quarterly Journal of Economics* 125.2, pp. 767–810. URL: <http://ideas.repec.org/a/tpr/qjecon/v125y2010i2p767-810.html>
  - D. Yoo and R. H. Steckel (2010). *Property Rights and Financial Development: The Legacy of Japanese Colonial Institutions*. NBER Working Papers 16551. National Bureau of Economic Research, Inc. URL: <https://ideas.repec.org/p/nbr/nberwo/16551.html>
  - H. Congdon Fors and O. Olsson (2007). “Endogenous institutional change after independence”. *European Economic Review* 51.8, pp. 1896–1921. URL: <https://ideas.repec.org/a/eee/eecrev/v51y2007i8p1896-1921.html>
  - R. Jedwab and A. Moradi (2016). “The Permanent Effects of Transportation Revolutions in Poor Countries: Evidence from Africa”. *The Review of Economics and Statistics* 98.2, pp. 268–284. URL: <https://ideas.repec.org/a/tpr/restat/v98y2016i2p268-284.html>
  - S. Michalopoulos and E. Papaioannou (2011). *The Long-Run Effects of the Scramble for Africa*. CEPR Discussion Papers 8676. C.E.P.R. Discussion Papers. URL: <http://ideas.repec.org/p/cpr/ceprdp/8676.html>



## Cultural and family

- A. Alesina and P. Giuliano (2015). “Culture and Institutions”. *Journal of Economic Literature* 53.4, pp. 898–944. URL: <http://www.aeaweb.org/articles?id=10.1257/jel.53.4.898>
- Y. Algan and P. Cahuc (2010). “Inherited Trust and Growth”. *American Economic Review* 100.5, pp. 2060–92. URL: <http://ideas.repec.org/a/aea/aecrev/v100y2010i5p2060-92.html>
- A. Alesina, J. Harnoss, and H. Rapoport (2016). “Birthplace diversity and economic prosperity”. *Journal of Economic Growth* 21.2, pp. 101–138. URL: [https://ideas.repec.org/a/kap/jecgro/v21y2016i2d10.1007\\_s10887-016-9127-6.html](https://ideas.repec.org/a/kap/jecgro/v21y2016i2d10.1007_s10887-016-9127-6.html)
- T. B. Andersen et al. (2017). “Prereformation Roots of the Protestant Ethic”. *Economic Journal* 127.604, pp. 1756–1793. URL: <https://ideas.repec.org/a/wly/econjl/v127y2017i604p1756-1793.html>
- S. Bazzi, M. Fiszbein, and M. Gebresilasse (2018). *Frontier Culture: The Roots and Persistence of â€Rugged Individualismâ in the United States*. Boston University - Department of Economics - Working Papers Series dp-302. Boston University - Department of Economics. URL: <https://ideas.repec.org/p/bos/wpaper/dp-302.html>
- D. Cantoni (2010). *The economic effects of the Protestant Reformation: Testing the Weber hypothesis in the German Lands*. Economics Working Papers 1260. Department of Economics and Business, Universitat Pompeu Fabra. URL: <http://ideas.repec.org/p/upf/upfgen/1260.html>
- A. Greif and G. Tabellini (2010). “Cultural and Institutional Bifurcation: China and Europe Compared”. *American Economic Review* 100.2, pp. 135–140. URL: <https://ideas.repec.org/a/aea/aecrev/v100y2010i2p135-40.html>
- L. Guiso, P. Sapienza, and L. Zingales (2004). “The Role of Social Capital in Financial Development”. *The American Economic Review* 94.3, pp. 526–556. URL: <http://www.jstor.org/stable/3592941>
- L. Guiso, P. Sapienza, and L. Zingales (2006). “Does Culture Affect Economic Outcomes?” *Journal of Economic Perspectives* 20.2, pp. 23–48. URL: <http://ideas.repec.org/a/aea/jecper/v20y2006i2p23-48.html>
- L. Guiso, P. Sapienza, and L. Zingales (2009). “Cultural Biases in Economic Exchange?” *The Quarterly Journal of Economics* 124.3, pp. 1095–1131. URL: <http://www.jstor.org/stable/40506253>
- G. Tabellini (2010). “Culture and Institutions: Economic Development in the Regions of Europe”. *Journal of the European Economic Association* 8.4, pp. 677–716. URL: <https://ideas.repec.org/a/tpr/jeurec/v8y2010i4p677-716.html>
- A. Falk et al. (2018). “Global Evidence on Economic Preferences”. *The Quarterly Journal of Economics* 133.4, pp. 1645–1692. URL: <http://dx.doi.org/10.1093/qje/qjy013>
- J. F. Schulz et al. (2018). *The Origins of WEIRD Psychology*. Tech. rep. URL: [psyarxiv.com/d6qhu](http://psyarxiv.com/d6qhu)
- B. Enke (2017). *Kinship Systems, Cooperation and the Evolution of Culture*. Working Paper 23499. National Bureau of Economic Research. URL: <http://www.nber.org/papers/w23499>
- A. Greif and G. Tabellini (2017). “The clan and the corporation: Sustaining cooperation in China and Europe”. *Journal of Comparative Economics* 45.1, pp. 1–35. URL: <https://ideas.repec.org/a/eee/jcecon/v45y2017i1p1-35.html>
- A. Alesina and P. Giuliano (2010). “The power of the family”. *Journal of Economic Growth* 15.2,

- pp. 93–125. URL: <https://ideas.repec.org/a/kap/jecgro/v15y2010i2p93-125.html>
- A. Alesina and P. Giuliano (2011). “Family Ties And Political Participation”. *Journal of the European Economic Association* 9.5, pp. 817–839. URL: <https://ideas.repec.org/a/bla/jeurec/v9y2011i5p817-839.html>
  - Y. Algan and P. Cahuc (2010). “Inherited Trust and Growth”. *American Economic Review* 100.5, pp. 2060–92. URL: <http://ideas.repec.org/a/aea/aecrev/v100y2010i5p2060-92.html>
  - A. Greif (2006). “Family Structure, Institutions, and Growth: The Origins and Implications of Western Corporations”. *American Economic Review* 96.2, pp. 308–312. URL: <https://ideas.repec.org/a/aea/aecrev/v96y2006i2p308-312.html>
  - A. Greif and G. Tabellini (2010). “Cultural and Institutional Bifurcation: China and Europe Compared”. *American Economic Review* 100.2, pp. 135–140. URL: <https://ideas.repec.org/a/aea/aecrev/v100y2010i2p135-40.html>
  - P. Grosjean (2014). “A History Of Violence: The Culture Of Honor And Homicide In The Us South”. *Journal of the European Economic Association* 12.5, pp. 1285–1316. URL: <https://ideas.repec.org/a/bla/jeurec/v12y2014i5p1285-1316.html>
  - R. Minocher, P. Duda, and A. V. Jaeggi (2018). “Explaining marriage patterns in a globally representative sample through socio-ecology and population history: A Bayesian phylogenetic analysis using a new supertree”. *Evolution and Human Behavior*. URL: <http://www.sciencedirect.com/science/article/pii/S1090513818302514>
  - J. F. Schulz et al. (2018). *The Origins of WEIRD Psychology*. Tech. rep. URL: [psyarxiv.com/d6qhu](http://psyarxiv.com/d6qhu)
  - J. F. Schulz (2016). *The Churches’ Ban on Consanguineous Marriages, Kin-networks, and Democracy*. Tech. rep. CEDEX
  - J. F. Schulz (2018). “The Catholic Church, Kin Networks, and Institutional Development”. Working paper

## Agricultural, geographic, and biological conditions

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