

그림 및 도식 출처 1

1장. 획기적인 다섯 가지의 대전환

그림 1.1

밀레(Jean-François Millet)의 〈이삭 줍는 여인들(Les glaneuses)〉 (1857), 파리 오르세 미술관(Musée d'Orsay, RF592)

그림 1.2

시카고 미술관(The Art Institute of Chicago) 찰스 H.와 메리 F.S. 우스터(Charles H. and Mary F. S.) 워체스터 콜렉션(Worcester Collection, 1964.336.6)

그림 1.3

미니애폴리스 미술관(Minneapolis Institute of Art) 윌리엄 후드 던우디 재단(The William Hood Dunwoody Fund)

그림 1.4

USBC 자료를 통해 구성(1975)

2장. 인구의 대전환

그림 2.1

자체 제작(Smil)

그림 2.2

U.N 데이터를 참조하여 자체 제작(Smil)

그림 2.3

1903년 8월 22일 『더 일러스트레이티드 런던 뉴스(the Illustrated London News)』의 삽화

그림 2.4

일본 국립 사회보장인구문제 연구소(NIPSSR, 2017)의 자료로 구성

그림 2.5

1872년 1월 1일 『더 일러스트레이티드 런던 뉴스(the Illustrated London News)』

그림 2.6

조지 킹슬리 지프(George Kingsley Zipf)의 저서 『인간의 행동과 최소 노력의 원칙(Human Behavior and the Principle of Least Effort)』

3장. 농업과 식량의 대전환

그림 3.1

1920년 오토 볼하겐(Otto Bollhagen)의 그림

그림 3.2

1926년 해리스 브리즈번 딕 기금(Harris Brisbane Dick Fund), 메트로폴리탄 박물관 소장

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그림 3.3

구성에 활용된 자료는 오그던Ogden 등(2012) 및 미국의 건강 신탁Trust for America's Health(2017).

그림 3.4

2004년 2월 7일 나사NASA의 항공사진 ISS008-E-14686

4장. 에너지 대전환

그림 4.1

《백과전서[Encyclopédie, ou dictionnaire raisonné des sciences]》(1751-1766)

그림 4.2

DECC(2015)

그림 4.3

Smil (2017b)

그림 4.4

국제항공운송협회(IATA)

그림 4.5

1882년 8월 16일 《사이언티픽 아메리칸(Scientific American)》

그림 4.6

《백과전서[Encyclopédie, ou dictionnaire raisonné des sciences]》(1751-1766)

그림 4.7

Smil (2015b)

그림 4.8

1902년 9월 6일 《사이언티픽 아메리칸(Scientific American)》

그림 4.9

미국 특허청(US Patent Office)

그림 4.9

Smil (2017a)

5장. 경제 대전환

그림 5.1

스포시(Sposi)와 그로스먼(Grossman)의 자료(Sposi and Grossman, 2014)에 기초해서 구성

그림 5.2

World Bank(2019)에 자료를 통해 구성

그림 및 도식 출처 3

그림 5.3

1914년 4월 11일 『더 일러스트레이티드 런던 뉴스』

그림 5.4

미국 특허청(US Patent Office)

6장. 환경 대전환

그림 6.1

CO2-Earth(2019)

7장. 대전환의 결과와 미래

그림 7.1

Smil(2001, 2014, 2016a, 2017b)

그림 7.2

OECD(2013), Rodrigue(2017)

그림 7.3

IPCC(2018)

참고 문헌 1

ACS (American Community Survey). 2018. Means of transportation to work by selected characteristics <https://data.census.gov/cedsci/table?q=S0802&tid=ACSST1Y2018.S0802>

Abatzoglou, J.T. and A.P. Williams. 2016. Impact of anthropogenic climate change on wildfire across western US forests. *Proceedings of the National Academy of Sciences* 113:11770–11775.

Abbasi-Shavazi, M.J. et al. 2009. The Fertility Transition in Iran: Revolution and Reproduction. Dordrecht: Springer.

Abdelhamid, A.S. et al. 2018. Omega-3 fatty acids for the primary and secondary prevention of cardiovascular disease. <http://cochanelibrary-wiley.com/doi/10.1002/14651858.CD003177.pub3/full>

Abouharb, M.R. and A.L. Kimball. 2007. A new dataset on infant mortality rates, 1816–2002. *Journal of Peace Research* 44:743–754.

Abramovitz, M. 1956. Resource and output trends in the United States. *American Economic Review Papers and Proceedings* 46:5–23.

Achten, W.M.J. and K. van Acker. 2015. EU-average impacts of wheat production: A meta-analysis of life cycle assessments. *Journal of Industrial Ecology* 20:132–144.

Adams, J.M. and H. Faure. 1998. A new estimate of changing carbon storage on land since the last glacial maximum, based on global land ecosystem reconstruction. *Global and Planetary Change* 16–17:3–24.

Adriaanse, A. et al. 1997. Resource Flows: The Material Basis of Industrial Economies. Washington, DC: World Resources Institute.

AHA (American Heart Association). 1966. Dietary guidelines for healthy American adults. *Circulation* 94:1795–1800.

Alfani, G. and C. Ó Gráda, eds. 2017. Famine in European History. Cambridge: Cambridge University Press.

Allen, J.R.M. et al. 2010. Last glacial vegetation of northern Eurasia. *Quaternary Science Reviews* 29:2604–2618.

Allen, R.C. 2009. Economic structure and agricultural productivity in Europe, 1300–1800. *European Review of Economic History* 3:1–25.

Allen, R.C. 2012. Technology and the great divergence: Global economic development since 1820. *Explorations in Economic History* 49:1–16.

참고 문헌 2

Allianz. 2015. *The Megacity State: The World's Biggest Cities Shaping Our Future*. Munich: Allianz.

Allison, A. 2013. *Precarious Japan*. Durham, NC: Duke University Press.

Alouki, K. et al. 2016. Lifestyle interventions to prevent type 2 diabetes: A systematic review of economic evaluation studies. *Journal of Diabetes Research*, Article ID 2159890.

Alvaredo, F. et al. 2017. *Global Inequality Dynamics: New Findings from WID.World*. Cambridge, MA: NBER.

Alvarez-Cuadrado, F. and M. Poschke. 2009. Structural Change out of Agriculture: Labor Push versus Labor Pull. Bonn: IZA. <http://ftp.iza.org/dp4247.pdf>

Amialchuk, A. and E. Dimitrova. 2012. Detecting the evolution of deliberate fertility control before the demographic transition in Germany. *Demographic Research* 27:507–542.

Andersen, T.B. et al. 2016. The heavy plow and the agricultural revolution in Medieval Europe. *Journal of Development Economics* 118:133–149.

Andreev, K.F. 2002. *Evolution of the Danish Population from 1835 to 2000*. Viborg: University Press of Southern Denmark.

Antero-Jacquemin, J. et al. 2014. Learning from leaders: Life-span trends in Olympians and supercentenarians. *Journals of Gerontology Series A Biological Sciences and Medical Sciences*. doi:10.1093/gerona/glu130

Anthony, D.W. and D. Brown. 2000. Eneolithic horse exploitation in the Eurasian steppes: Diet, ritual and riding. *Antiquity* 74:75–86.

Archer, E. et al. 2018. The failure to measure dietary intake engendered a fictional discourse on diet-disease relations. *Frontiers in Nutrition* 5:105. doi:10.3389/fnut.2018.00105

Arena, R. and P.L. Porta, eds. 2016. *Structural Dynamics and Economic Growth*. Cambridge: Cambridge University Press.

Arrhenius, S. 1896. On the influence of carbonic acid in the air upon the temperature of the ground. *Philosophical Magazine and Journal of Science* 5 41:237–276.

Asemota, L. et al. 2011. Wastewater management in Lagos State: Moving toward a more sustainable approach. *Environmental Quality Management*. doi:10.1002/tqem.20300

참고 문헌 3

Ashton, T.S. 1948. *The Industrial Revolution, 1760–1830*. Oxford: Oxford University Press.

Atkinson, R.D. et al. 2012. Worse Than the Great Depression: What Experts Are Missing about American Manufacturing Decline. Washington, DC: Information Technology and Innovation Foundation. <http://www.itif.org/publications/worse-great-depression-what-experts-are-missing-about-american-manufacturing-decline>

Atwater, W.O. 1888. Foods and beverages. *The Century Magazine*, May 1888:135–139.

Atwater, W. and C. Woods. 1896. *The Chemical Composition of American Food Materials*. Washington, DC: USDA.

Ausubel, J.H. et al. 2013. Peak farmland and the prospect for land sparing. *Population and Development Review* 38 (Supplement):221–242.

Ausubel, J.H. 2015. We must make nature worthless. *Real Clear Science*, September 18, 2015. https://www.realclearscience.com/articles/2015/09/19/we_must_make_nature_worthless_109384.html

Auten, G. and D. Splinter. 2018. Income Inequality in the United States: Using Tax Data to Measure Long-Term Trends. Washington, DC: US Treasury Department.

AWI (Animal Welfare Institute). 2010. *The Welfare of Chickens Raised for Meat*. Washington, DC: AWI.

Ayres, R. et al. 2013. The underestimated contribution of energy to economic growth. *Structural Change and Economic Dynamics* 27:79–88.

Ayres, R. 2016. *Energy, Complexity and Wealth Maximization*. Cham, Switzerland: Springer.

Ayres, R. 2017. Gaps in mainstream economics: Energy, growth, and sustainability. In: S. Shmelev, ed., *Green Economy Reader: Lectures in Ecological Economics and Sustainability*, Berlin: Springer, pp. 39–54.

Bandiera, O. et al. 2010. *The Making of Modern America: Migratory Flows in the Age of Mass Migration*. <https://economics.yale.edu/sites/default/files/files/Workshops-Seminars/Development/rasul-110502.pdf>

Bank for International Settlements. 2019. Total credit to households (core debt). <https://stats.bis.org/statx/srs/table/f3.1>

Bar-On, Y. et al. 2018. The biomass distribution on Earth. *Proceedings of the National Academy of Sciences* 115:6506–6511.

참고 문헌 4

Barbosa, P.M. et al. 1999. An assessment of vegetation fire in Africa (1981–1991): Burned areas, burned biomass, and atmospheric emissions. *Global Biogeochemical Cycles* 13:933–949.

Barjot, D. 1991. *L'énergie aux XIXe et XXe siècles*. Paris: Presses de l'E.N.S.

Bar-On, Y.M. et al. 2018. The biomass distribution on Earth. *Proceedings of the National Academy of Sciences* 115:6506–6511.

Bar-Yosef, O. 2002. The Upper Paleolithic Revolution. *Annual Review of Anthropology* 31: 363–393.

Barrat, J. 2013. *Our Final Invention: Artificial Intelligence and the End of the Human Era*. New York: Thomas Donne Books.

Bassino, J-P. 2006. The growth of agricultural output and food supply in Meiji Japan: Economic miracle or statistical artifact? *Economic Development and Cultural Change* 54:503–520.

Batty, M. 2013. An outline of complexity theory. <http://www.spatialcomplexity.info/files/2013/02/Complexity-Lecture-1.pdf>

Beaumont, W. 1902 and 1906. *Motor Vehicles and Motors: Their Design, Construction and Working by Steam Oil and Electricity*. 2 volumes. Westminster: Archibald Constable & Company.

Beer, C. et al. 2006. Small net carbon dioxide uptake by Russian forests during 1981–1999. *Geophysical Research Letters* 33(15): L15403.

Behrens, K. et al. 2014. Productive cities: Sorting, selection, and agglomeration. *Journal of Political Economy* 122:507–553.

Bellassen, V. and S. Luyssaert. 2014. Managing forests in uncertain times. *Nature* 506:153–155.

Bendell, J. 2018. Deep Adaptation: A Map for Navigating Climate Tragedy. <https://www.lifeworth.com/deepadaptation.pdf>

Benetti, D.D. et al., eds. 2016. *Advances in Tuna Aquaculture*. Amsterdam: Elsevier.

Bennetzen, E.H. et al. 2016. Agricultural production and greenhouse gas emissions from world regions—The major trends over 40 years. *Global Environmental Change* 37:43–55.

Bentley, A. 1998. *Eating for Victory: Food Rationing and the Politics of Domesticity*. Urbana: University of Illinois Press.

참고 문헌 5

Berggren, C. 2018. Bra saker på uppgång—Roslings världsbild är ensidigt positiv. Kvartal, September 20, 2018. <https://kvartal.se/artiklar/bra-saker-pa-uppgang-roslings-varldsbild-ar-ensidigt-positiv/>

Berin, B.N. et al. 1989. Mortality trends of males and females over the ages. *Transactions of Society of Actuaries* 41:9–32.

Berri, A. 2009. A cross-country comparison of household car ownership—A cohort analysis. *IATSS Research* 33:21–38.

Berry, C.J. 1994. *The Idea of Luxury*. Cambridge: Cambridge University Press.

Betz, A. 1926. *Wind-Energie und ihre Ausnutzung durch Windmühlen*. Göttingen: Vandenhoeck & Ruprecht.

Bindraban, P.S. and R. Rabbinge. 2012. Megatrends in agriculture—Views for discontinuities in past and future developments. *Global Food Security* 1:99–105.

Binion, R. 2000. Marianne au foyer: Révolution politique et transition démographique en France et aux États-Unis. *Population* 55:81–104.

Bird, J.K. et al. 2017. Risk of deficiency in multiple concurrent micronutrients in children and adults in the United States. *Nutrients* 9(7):655. doi:10.3390/nu9070655

Bloch, M. 1931. *Les caractères originaux de l'histoire rurale française*. Paris: Librairie Armand Colin.

Bloom, D.E. et al. 2003. *The Demographic Dividend: A New Perspective on the Economic Consequences of Population Change*. Santa Monica, CA: Rand Corporation.

BLS (Bureau of Labor Statistics). 2006. *100 Years of U.S. Consumer Spending: Data for the Nation*, New York City, and Boston. <https://www.bls.gov/opub/uscs/>

BLS. 2014. *Agriculture: occupational employment and wages*. <https://www.bls.gov/opub/mlr/2014/article/agriculture-occupational-employment-and-wages.htm>

BLS. 2018. *Service-providing industries*. <https://www.bls.gov/iag/tgs/iag07.htm>

Blue, L. and T.J. Espenshade. 2011. Population momentum across the demographic transition. *Population and Development Review* 37:721–747.

BNEF (Bloomberg New Energy Finance). 2020. *Electric Vehicle Outlook 2020*. <https://about.bnef.com/electric-vehicle-outlook/>

참고 문헌 6

Bocquier, P. and R. Costa. 2015. Which transition comes first? Urban and demographic transitions in Belgium and Sweden. *Demographic Research* 33. doi:10.4054/Dem-Res.2015.33.48

Boeing. 2013. World class supplier quality. <http://787updates.newairplane.com/787-Suppliers/World-Class-Supplier-Quality>

Bogart, D. et al. 2018. The development of the railway network in Britain 1825–1911. <https://www.geog.cam.ac.uk/research/projects/transport/onlineatlas/railways.pdf>

Bongaarts, J. 1978. A framework for analyzing the proximate determinants of fertility. *Population and Development Review* 4:105–132.

Bongaarts, J. 2006. How long will we live? *Population and Development Review* 32:605–628.

Bongaarts, J. and J.B. Casterline. 2013. Fertility transition: Is sub-Saharan Africa different? *Population and Development Review* 38 (Supplement):153–168.

Bongaarts, J. and J.B. Casterline. 2018. From fertility preferences to reproductive outcomes in the developing world. *Population and Development Review* 44:793–809.

Borchers, A. et al. 2014. Multi-Cropping Practices: Recent Trends in Double Cropping. Washington, DC: USDA.

Boretos, G.P. 2009. The future of the global economy. *Technological Forecasting & Social Change* 76:316–326.

Bostrom, N. 2008. Global Catastrophic Risks. Oxford: Oxford University Press.

Bostrom, N. 2014. Superintelligence: Paths, Dangers, Strategies. Oxford: Oxford University Press.

Boulding, K. 1966. The economics of the coming spaceship Earth. In: H. Jarrett, ed., *Environmental Quality in a Growing Economy*, Baltimore, MD: Resources for the Future/Johns Hopkins University Press, pp. 3–14.

Boulding, K. 1973. In United States Congress, Energy reorganization act of 1973: Hearings, Ninety-third Congress, first session, on H.R. 11510, p. 248.

Bouwman, A.F. et al. 2005. G. Exploring changes in river nitrogen export to the world's oceans. *Global Biogeochemical Cycles* 19. doi: 10.1029/2004GB002314

Boyd, P.W. and C.M.G. Vivian, eds. 2019. High Level Review of a Wide Range of Proposed Marine Geoengineering Techniques. Geneva: IMO.

참고 문헌 7

BP (British Petroleum). 2018. Energy Outlook. <https://www.bp.com/en/global/corporate/energy-economics/energy-outlook.html>

BP. 2020. BP Statistical Review of World Energy. London: BP. <https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2020-full-report.pdf>

Breitburg, D. et al. 2018. Declining oxygen in the global ocean and coastal waters. *Science* 359. doi: 10.1126/science.aam7240

Breschi, M. et al. 2014. Fertility transition and social stratification in the town of Alghero, Sardinia (1866–1935). *Demographic Research* 30:823–852.

Bricker, D. and J. Ibbetson. 2018. *Empty Planet: The Shock of Global Population Decline*. New York: Crown.

Brimblecombe, P. 1987. *The Big Smoke*. London: Routledge.

Bristow, D. and C. Kennedy 2015. Why do cities grow? Insights from nonequilibrium thermodynamics at the urban and global scales. *Journal of Industrial Ecology* 19:211–221.

Broadberry, S. et al. 2014. *China, Europe and the Great Divergence: A Study in Historical National Accounting, 980–1850*. London: London School of Economics. <http://eh.net/eha/wp-content/uploads/2014/05/Broadberry.pdf>

Broadberry, S. et al. 2015. *British Economic Growth, 1270–1870*. Cambridge: Cambridge University Press.

Brown, L.R. 1995. *Who Will Feed China? Wake-Up Call for a Small Planet*. New York: W.W. Norton.

Bruinsma, J. 2009. *The Resource Outlook to 2050*. Rome: FAO.

Bruland, K. and K. Smith. 2013. Assessing the role of steam power in the first industrial revolution: The early work of Nick von Tunzelmann. *Research Policy* 42:1716–1723.

BTS (Bureau of Transportation Statistics). 2019. *National Transportation Statistics*. <https://www.bts.gov/topics/national-transportation-statistics>

Buck, E.H. 1995. *Atlantic Bluefin Tuna: International Management of a Shared Resource*. CRS Report for Congress. Washington, DC: US Congress.

Buck, J.L. 1930. *Chinese Farm Economy*. Nanking: University of Nanking.

참고 문헌 8

Buck, J.L. 1937. Land Utilization in China. Nanking: University of Nanking.

Bunce, J.T. et al. 2018. A review of phosphorus removal technologies and their applicability to small-scale domestic wastewater treatment systems. *Frontiers in Environmental Science* 6:8. doi: 10.3389/fenvs.2018.00008

Buringh, E. and J.L. van Zanden. 2009. Charting the “Rise of the West”: Manuscripts and printed books in Europe, a long-term perspective from the sixth through eighteenth centuries. *The Journal of Economic History* 69:409–445.

Buringh, P. 1977. Food production potential of the world. *World Development* 5:477–485.

Burwell, C.C. 1990. Transportation: Electricity’s changing importance over time. In: Sam H. Schurr et al., eds. *Electricity in the American Economy*, New York: Greenwood Press, pp. 209–231.

Butchart, S.H.M. et al. 2010. Global biodiversity: Indicators of recent declines. *Science* 328:1164–1168.

Butler, J.H. and S.A. Montzka. 2019. The NOAA annual greenhouse gas index (AGGI). <https://www.esrl.noaa.gov/gmd/aggi/aggi.html>

Caballero, B. and B.M. Popkin, eds. 2002. *The Nutrition Transition: Diet and Disease in the Developing World*. Amsterdam: Academic Press.

Cai, Y. et al. 2018. Fiscal implications of population aging and social sector expenditure in China. *Population and Development Review* 44:811–831.

Cailleux, A. de. 1951. L’homme en surexpansion. *Bulletin de la Société préhistorique de France* 48(1–2):62–70.

Caldwell, J.C. 2006. *Demographic Transition Theory*. Dordrecht: Springer.

Cambridge Group for the History of Population and Social Structure. 2019. Overview. <https://www.campop.geog.cam.ac.uk/research/occupations/overview/>

Cameron, R. 1982. The Industrial Revolution: A misnomer. *History Teacher* 15(3):377–384.

Cameron, R. 1985. A new view of European industrialization. *The Economic History Review* 3:1–23.

Camiller, P. 2002. *Haussmann: His Life & Times and the Making of Modern Paris*. Chicago: Ivan R. Dee.

참고 문헌 9

Campbell, C. et al. 2002. Pretransitional fertility in China. *Population and Development Review* 28:735–775.

Campbell, C.D. and J.Z. Lee. 2010. Fertility control in historical China revisited: New methods for an old debate. *The History of the Family* 15:370–385.

Campbell, M.S. and M. Overton. 1993. A new perspective on medieval and early modern agriculture: Six centuries of Norfolk farming c.1250–c.1850. *Past and Present* 141:38–105.

Canning, D. 2011. *The Causes and Consequences of the Demographic Transition*. Cambridge, MA: Harvard University Program on the Global Demography of Aging.

Cantore, N. et al. 2017. Manufacturing as an engine of growth: Which is best fuel? *Structural Change and Economic Dynamics* 42:56–66.

Carmody, J.M. 1939. Rural electrification in the United States. *The Annals of the American Academy of Political and Social Science* 201:82–88.

Carr, N. 2011. *The Shallows: What the Internet Is Doing to Our Brains*. New York: W.W. Norton.

Carslaw, K.S. et al. 2018. Climate models are uncertain, but we can do something about it. *Eos*, 99. <https://doi.org/10.1029/2018EO093757>

Case, A. and A. Deaton. 2020. *Deaths of Despair and the Future of Capitalism*. Princeton, NJ: Princeton University Press.

Cashion, T. 2015. *The Fish We Feed Fish: An Evaluation of Primary Production Requirements and Greenhouse Gas Emissions of Reduction Fisheries in The Age of Sustainable Boundaries*. Halifax, NS: Dalhousie University.

CASS (Chinese Academy of Social Sciences). 2019. 人口与劳动绿皮书: 中国人口与劳动问题报告No.19 [Population and Labour Green Paper: Chinese Population and Labour Issues Report no. 19]. Beijing: CASS.

Cassidy, E.S. et al. 2013. Redefining agricultural yields: From tonnes to people nourished per hectare. *Environmental Research Letters*. doi: 10.1088/1748-9326/8/3/034015.

Casson, H.N. 2017. *Cyrus Hall McCormick: His Life and Work*. Washington, DC: Westphalia Press.

Castelli, W. 1984. *The Fundamental Role of Serum Lipids in Coronary Heart Disease*. New York: Pfizer.

참고 문헌 10

Casterline, J.B. and J. Bongaarts. 2017. *Fertility Transition in sub-Saharan Africa*. New York: Population Council.

Çatalhöyük Research Project. 2018. Çatalhöyük. www.catalhoyuk.com/

CCAFS (Climate Change, Agriculture and Food Security). 2019. Direct agricultural emissions. Wageningen: CCAFS. <https://ccafs.cgiar.org/bigfacts/#theme=food-emissions&subtheme=direct-agriculture>

CDC (Centers for Disease Control). 2011. Life expectancy at birth, at age 65, and at age 75, by sex, race, and Hispanic origin: United States, selected years 1900–2010. <https://www.cdc.gov/nchs/data/hus/2011/022.pdf>

CDC. 2017. National Diabetes Statistics Report, 2017. <https://www.cdc.gov/diabetes/pdfs/data/statistics/national-diabetes-statistics-report.pdf>

CDDEP (Center for Disease Dynamics, Economics & Policy). 2015. *State of the World's Antibiotics*. Washington, DC: CDDEP.

Ceballos, G. et al. 2015. Accelerated modern human-induced species losses: Entering the sixth mass extinction. *Science Advances* 1(5). doi: 10.1126/sciadv.1400253.

CEIC. 2017. China's gross savings rate. <https://www.ceicdata.com/en/indicator/china/gross-savings-rate>

Chaney, E. 1998. *The Evolution of the Grand Tour: Anglo-Italian Cultural Relations since the Renaissance*. London: Frank Cass.

Chateaubriand, F-R. de. 1849. *Mémoires d'Outre-Tombe*. Paris: Penaud frères. *Memoirs from Beyond the Grave*, A. Andriesse translation, New York: NYRB (2018).

Chatterjee, S. et al. 2017. Type 2 diabetes. *The Lancet* 389:2239–2251.

Chen, C. et al. 2019. China and India lead in greening of the world through land-use management. *Nature Sustainability* 2:122–129.

Chen, X. et al. 2014. Producing more grain with lower environmental costs. *Nature* 514:486–488.

Chenery, H.B. 1960. Patterns of industrial growth. *The American Economic Review* 50:624–654.

Cherif, R. et al. 2017. *Riding the Energy Transition: Beyond Oil*. Washington, DC: IMF.

Chesnais, J.C. 1992. *The Demographic Transition: Stages, Patterns, and Economic Implications*. Oxford: Clarendon Pres.

참고 문헌 11

Chittenden, R.H. 1907. *The Nutrition of Man*. New York: Frederick A. Stokes.

Chorley, G.P.H. 1981. The agricultural revolution in Northern Europe, 1750–1880: Nitrogen, legumes, and crop productivity. *Economic History* 34:71–93.

Chowdhury, R. et al. 2014. Association of dietary, circulating, and supplement fatty acids with coronary risk: A systematic review and meta-analysis. *Annals of Internal Medicine* 160:398–406.

Choy, C.A. et al. 2019. The vertical distribution and biological transport of marine microplastics across the epipelagic and mesopelagic water column. *Scientific Reports* 7843. <https://www.nature.com/articles/s41598-019-44117-2.pdf>

CISCO. 2017. The Zettabyte Era: Trends and Analysis. <https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/vni-hyperconnectivity-wp.html>

Clare, M. et al. 2019. Understanding drivers of antibiotic resistance genes in High Arctic soil ecosystem. *Environment International* 125:497–504. doi:10.1016/j.envint.2019.01.034

Clark, C. 1940. *The Conditions of Economic Progress*. London: Macmillan.

Clark, G. et al. 1995. A British food puzzle, 1770–1850. *The Economic History Review* 48:215–223.

Clarke, A.C. 1962. *Profiles of the Future: An Enquiry into the Limits of the Possible*. New York: Harper and Row.

Clavel-Chapelon, F. 2002. Evolution of age at menarche and at onset of regular cycling in a large cohort of French women. *Human Reproduction* 17:228–232.

Clemens, M.A. and H.M. Postel. 2018. Deterring emigration with foreign aid: An overview of evidence from low-income countries. *Population and Development Review* 44:667–693.

CNPC (China National Petroleum Corporation). 2017. CNPC expects Chinese energy demand to peak in 2040. <https://www.enerdata.net/publications/daily-energy-news/cnpc-expects-chinese-energy-demand-peak-2040.html>

Coale, A. 1973. The demographic transition reconsidered. In: *International Population Conference*, Leige 1973, vol. 1, International Union for the Scientific Study of Population, pp. 53–57.

참고 문헌 12

Cobbett, J.P. 1824. *A Ride of Eight Hundred Miles in France*. London: Charles Clement.

Coleman, D.C. and D.A. Crossley. 1996. *Fundamentals of Soil Ecology*. San Diego: Academic Press.

Congalton, R.G. et al. 2014. Global land cover mapping: A review and uncertainty analysis. *Remote Sensing* 6:12070–12093.

Conley, D. et al. 2007. *Africa's Lagging Demographic Transition: Evidence from Exogenous Impacts of Malaria Ecology and Agricultural Technology*. Cambridge, MA: NBER.

Cox, W. 2010. How much of the world is covered by cities? <http://www.newgeography.com/content/001689-how-much-world-covered-cities>

Coyle, D. 2011. *The Economics of Enough*. Princeton, NJ: Princeton University Press.

Crafts, N. 1995. The first Industrial Revolution: Resolving the slow growth/rapid industrialization paradox. *Journal of the European Economic Association* 3:525–534.

Crafts, N. 2010. Explaining the first Industrial Revolution: Two views. *European Review of Economic History* 15:153–168.

Crafts, N. 2014. Steam as a general purpose technology: A growth accounting perspective. *The Economic Journal* 114:338–351.

Creanza, N. et al. 2017. Cultural evolutionary theory: How culture evolves and why it matters. *Proceedings of the National Academy of Sciences* 114:7782–7789.

Crow, J.F. 1998. 90 years ago: The beginning of hybrid maize. *Genetics* 148:923–928.

Crutzen, P.J. and E.F. Stoermer. 2000. The “Anthropocene.” *Global Change Newsletter* 41:17–18.

Csereklyei, Z. et al. 2016. Energy and economic growth: The stylized facts. *The Energy Journal* 37:223–255.

Cui, Z. et al. 2018. Pursuing sustainable productivity with millions of smallholder farmers. *Nature* 555:363–366.

Cummings, V. et al., eds. 2014. *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press.

참고 문헌 13

Cummins, N. 2012. Marital fertility and wealth during the fertility transition: Rural France; 1750–1850. *The Economic History Review* <https://doi.org/10.1111/j.1468-0289.2012.00666.x>

D'Alisa, G. et al., eds. 2014. *Degrowth: A Vocabulary for a New Era*. London: Routledge.

Daly, H.E., ed. 1971. *Toward a Stationary-State Economy*. San Francisco: W.H. Freeman.

Daly, H. 1980. *Economics, Ecology, Ethics: Essays Toward a Steady-State Economy*. San Francisco: W.H. Freeman and Company.

Daly, H. 1996. *Beyond Growth*. Boston: Beacon Press.

Daly, H.E. and J.B. Cobb, Jr. 1989. *For the Common Good: Redirecting the Economy toward Community, the Environment, and a Sustainable Future*. Boston: Beacon Press.

da Silva, V.P. et al. 2010. Variability in environmental impacts of Brazilian soybean according to crop production and transport scenarios. *Journal of Environmental Management* 91:1831–1839.

Daugherty, C.R. 1928. The development of horse-power equipment in the United States. In: C.R. Daugherty, A.H. Horton, and R.W. Davenport, *Power Capacity and Production in the United States*, Washington, DC: USGS, pp. 5–112.

Daugherty, C.R. 1933. Horsepower equipment in the United States, 1869–1929. *The American Economic Review* 23:428–440.

Davis, K. 1945. The world demographic transition. *Annals of the American Academy of Political and Social Science* 237:1–11.

Davis, K. 1955. The origin and growth of urbanization in the world. *American Journal of Sociology* 60:429–437.

Davis, M. et al. 2018. Mammal diversity will take millions of years to recover from the current biodiversity crisis. *Proceedings of the National Academy of Sciences* 111:11262–11267.

DeBruyne, N.F. 2018. *American War and Military Operations Casualties: Lists and Statistics*. Washington, DC: Congressional Research Service. <https://fas.org/sgp/crs/natsec/RL32492.pdf>

참고 문헌 14

DECC (Department of Energy & Climate Change). 2015. Historical coal data, 1853–2014. <https://www.gov.uk/government/statistical-data-sets/historical-coal-data-coal-production-availability-and-consumption-1853-to-2014>

Degerli, B. et al. 2015. Assessment of the energy and exergy efficiencies of farm to fork grain cultivation and bread making processes in Turkey and Germany. *Energy* 93:421–434.

de la Croix, D. et al. 2009. Demographic change and economic growth in Sweden: 1750–2050. *Journal of Macroeconomics* 31:132–148.

DeLong, J.B. 1998. Estimating world GDP, one million B.C.—present. https://delong.typepad.com/print/20061012_LRWGDP.pdf

Dempster, G.M. and J.P. Isaacs. 2014. Structural change in the U.S. economy: 1850–1900. *Structural Change and Economic Dynamics* 31:112–123.

de Souza, R.J. et al. 2015. Intake of saturated and trans unsaturated fatty acids and risk of all cause mortality, cardiovascular disease, and type 2 diabetes: systematic review and meta-analysis of observational studies. *British Medical Journal*. doi: 10.1136/bmj.h3978

Diaz, R.J. and R. Rosenberg. 2008. Spreading dead zones and consequences for marine ecosystems. *Science* 321:926–929.

Diebolt, C. and F. Perrin. 2017. *Understanding Demographic Transitions An Overview of French Historical Statistics*. Cham, Switzerland: Springer.

Dikötter, F. 2010. *Mao's Great Famine: The History of China's Most Devastating Catastrophe, 1958–1962*. New York: Walker and Company.

Dimitri, C. et al. 2005. *The 20th Century Transformation of U.S. Agriculture and Farm Policy*. Washington, DC: USDA.

Dirzo, R. et al. 2014. Defaunation in the Anthropocene. *Science* 345:401–406.

Dobbs, R. et al. 2011. *Urban World: Mapping the Economic Power of Cities*. Washington, DC: McKinsey.

Dominish, E. et al. 2019. *Responsible Minerals Sourcing for Renewable Energy: Report Prepared for Earthworks by the Institute for Sustainable Futures*. Sydney: University of Technology.

Donald, C.M. and J. Hamblin. 1976. The biological yield and harvest index of cereals as agronomic and plant breeding criteria. *Advances in Agronomy* 28:361–405.

Dong X. et al. 2016. Evidence for a limit to human lifespan. *Nature* 538:257–259.

DPW (Department of Parks and Wildlife). 2014. Cane toad strategy for Western Australia 2014–2019. https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/canetoads/20140470_CaneToadStrategyWA2014-19_FINWEB.pdf

Dribe, M. et al. 2014. Socioeconomic status and fertility before, during, and after the demographic transition: An introduction. *Demographic Research* 31:161–182.

Duchène, C. et al. 2017. *La consommation de viande en France*. Paris: CIV.

Duesterberg, T.J. and E.H. Preeg, eds. 2003. *U.S. Manufacturing: The Engine for Growth in a Global Economy*. Westport, CT: Praeger.

Dugoua, E. et al. 2018. Satellite data for the social sciences: Measuring rural electrification with night-time lights. *International Journal of Remote Sensing* 39:2690–2701.

Dupin, C. 1827. *Forces productives et commerciales de la France*. Paris: Bachelier.

Duranton, G. and W.R. Kerr. 2015. The logic of agglomeration. Cambridge, MA: Harvard Business School. http://www.hbs.edu/faculty/Publication%20Files/16-037_eb512e96-28d6-4c02-a7a9-39b52db95b00.pdf

Dyson, F. 2018. The key to everything. *The New York Review of Books*, May 10, 2018. <https://www.nybooks.com/articles/2018/05/10/the-key-to-everything/>

Dyson, T. 2001. A partial theory of world development: The neglected role of the demographic transition in the shaping of modern society. *International Journal of Population Geography* 7:67–90.

Eden, F.M. 1797. *The State of the Poor; Or, An History of the Labouring Classes in England, from the Conquest to the Present Period*. London: J. David.

EEA (European Environmental Agency). 2018. Energy intensity. <https://www.eea.europa.eu/data-and-maps/indicators/total-primary-energy-intensity-3/assessment-1>

Eggleston, K.N. and V.R. Fuchs. 2012. The new demographic transition: Most gains in life expectancy now realized late in life. *Journal of Economic Perspectives* 26:137–156.

참고 문헌 16

Eglin, T. et al. 2010. Historical and future perspectives of global soil carbon response to climate and land-use changes. *Tellus Series B-Chemical and Physical Meteorology* 62 (Special Issue with Manuscripts Presented at the 8th International Carbon Dioxide Conference, ICDC8, in Jena, Germany 13–19 September 2009):700–718.

Ehrlich, P. 1968. *The Population Bomb*. New York: Ballantine Books.

Ehrlich, P.R and A.H. Ehrlich. 2013. Can a collapse of global civilization be avoided? *Proceedings of the Royal Society B* 280: 20122845. <http://dx.doi.org/10.1098/rspb.2012.2845>.

EIA (Environmental Investigative Agency). 2018. Blowing It: Illegal Production and Use of Banned CFC-11 in China's Foam Blowing Industry. https://content.eia-global.org/posts/documents/000/000/761/original/Blowing-It_CFC11_Report_EIA.pdf?1531089183

Eisenhut, M. and A.P.M. Weber. 2019. Improving crop yield. *Science* 363:32–33.

Electric Choice. 2018. Percentage of Household Income Spent on Electricity by State. <https://www.electricchoice.com/blog/percentage-income-electricity/>

Elias, D. 2000. *The Dow 40,000 Portfolio: The Stocks to Own to Outperform Today's Leading Benchmark*. New York: McGraw Hill.

Ellis, E. et al. 2013. Used planet: A global history. *Proceedings of the National Academy of Sciences* 110:7978–7985.

Elvidge, C.D. et al. 2007. Global distribution and density of constructed impervious surfaces. *Sensors* 7:1962–1979.

Energy History. 2015. Energy history. <http://www.fas.harvard.edu/~histecon/energyhistory/>

Engel, E. 1857. Die Productions- und Consumtionsverhältnisse des Königreichs Sachsen. *Zeitschrift des statistischen Bureaus des Königlich Sächsischen Ministerium des Inneren* 8–9:28–29.

EPI (Environmental Performance Index). 2019. Environmental Performance Index. <https://epi.envirocenter.yale.edu/>

Eriksen, M. et al. 2014. Plastic pollution in the world's oceans: More than 5 trillion plastic pieces weighing over 250,000 tons afloat at sea. *PLoS ONE* 9(12): e111913. doi:10.1371/journal.pone.0111913

참고 문헌 17

Estel, S. et al. 2016. Mapping cropland-use intensity across Europe using MODIS NDVI time series. *Environmental Research Letters* 11:024015

Eurostat. 2018a. Asylum quarterly report. http://ec.europa.eu/eurostat/statistics-explained/index.php/Asylum_quarterly_report

Eurostat. 2018b. Migration and migrant population statistics. http://ec.europa.eu/eurostat/statistics-explained/index.php/Migration_and_migrant_population_statistics

Eurostat. 2019. Wood as a source of energy, 2016 (% share of wood and wood products in gross inland energy consumption, in toe) [https://ec.europa.eu/eurostat/statistics-explained/index.php?title=File:Wood_as_a_source_of_energy,_2016_\(%25_share_of_wood_and_wood_products_in_gross_inland_energy_consumption,_in_toe\).png](https://ec.europa.eu/eurostat/statistics-explained/index.php?title=File:Wood_as_a_source_of_energy,_2016_(%25_share_of_wood_and_wood_products_in_gross_inland_energy_consumption,_in_toe).png)

Facebook. 2020. About Facebook. <https://about.fb.com/company-info/>

Fader et al. 2013. Spatial decoupling of agricultural production and consumption: Quantifying dependences of countries on food imports due to domestic land and water constraints. *Environmental Research Letters* 8(1):014046.

FAO. 2001. Global Forest Assessment 2000. Rome: FAO. <http://www.fao.org/docrep/004/y1997e/y1997e00.htm>

FAO (Food and Agriculture Organization. 2009. Expert Meeting on How to Feed the World in 2050. Rome: FAO.

FAO. 2011. Review of the State of World Marine Fishery Resources. Rome: FAO.

FAO. 2015. The Global Forest Resources Assessment. Rome: FAO.

FAO. 2017a. The State of Food Security and Nutrition in the World 2017: Building Resilience for Peace and Food Security. Rome: FAO.

FAO. 2017b. World Fertilizer Trends and Outlook to 2020. Rome: FAO.

FAO. 2017c. The Future of Food and Agriculture—Trends and Challenges. Rome: FAO.

FAO. 2018a. Forest Product Statistics. <http://www.fao.org/forestry/statistics/80938/en/>

FAO. 2018b. The State of World Fisheries and Aquaculture. Rome: FAO.

FAO. 2019. FAOSTAT. <http://www.fao.org/faostat/en/#data>

Fearnside, P.M. 2005. Deforestation in Brazilian Amazonia: History, rates and consequences. *Conservation Biology*. <https://doi.org/10.1111/j.1523-1739.2005.00697.x>

참고 문헌 18

Federico, G. 2008. Feeding the World: An Economic History of Agriculture, 1800–2000. Princeton, NJ: Princeton University Press.

Felici, C. 1572. Scritti naturalistici, Vol I. Urbino: Quattro Venti (1986).

Felipe, J. and A. Mehta. 2016. Deindustrialization? A global perspective. *Economic Letters* 149:148–151.

Felton, N. 2008. Consumption spreads faster today. <https://archive.nytimes.com/www.nytimes.com/imagepages/2008/02/10/opinion/10op.graphic.ready.html?ei=5124&en=9ef4be7cf82e4353&ex=1360299600&partne>

Fensterstock, J.C. and R.K. Fankhauser. 1968. Thanksgiving 1966 Air Pollution Episode in the Eastern United States. Washington, DC: USDHEW. <https://nepis.epa.gov/Exe/ZyPDF.cgi/20013P7R.PDF?Dockey=20013P7R.PDF>

Fisher, A.G.B. 1939. Production, primary, secondary and tertiary. *Economic Record* 15:24–38.

Fite, G.C. 1977. Great Plains farming: A century of change and adjustment. *Agricultural History* 51:244–256.

Flandrin, J.-L. 1989. Distinction through taste. In: R. Chartier, ed., *A History of Private Life III: Passions of the Renaissance*, Cambridge, MA: The Belknap Press, pp. 265–307.

Flinn, M.W. 1984. *The History of the British Coal Industry, Volume 2: 1700–1830. The Industrial Revolution*. Oxford: Clarendon Press.

Fluck, R.C., ed. 1992. *Energy in Farm Production*. Amsterdam: Elsevier.

FMC (Ford Motor Company). 1909. *Ford Motor Cars*. Detroit, MI: FMC.

Fogel, R.W. 2004. *The Escape from Hunger and Premature Death, 1700–2100*. New York: Cambridge University Press.

Fogel, R.W. 2012. *Explaining Long-Term Trends in Health and Longevity*. Cambridge: Cambridge University Press.

Follett, R.F. and B.A. Stewart, eds. 1985. *Soil Erosion and Crop Productivity*. Madison, WI: American Society of Agronomy.

Fonken, L.K. et al. 2010. Light at night increases body mass by shifting the time of food intake. *Proceedings of the National Academy of Sciences of the USA* 107:18664–18669.

참고 문헌 19

Forbes, R. 1972. Copper. In: R. Forbes, ed., *Studies in Ancient Technology*, Vol. 6, Leiden, E.J. Brill, pp. 1–133.

Ford, H. 1922. *My Life and Work*. New York: Doubleday.

Fores, M. 1981. The myth of a British Industrial Revolution. *History* 66:181–198.

Forrester, J. 1971. *World Dynamics*. Cambridge, MA: Wright-Allen Press.

Forster, P. et al. 2020. Current and future global climate impacts resulting from COVID-19. *Nature Climate Change*. <https://doi.org/10.1038/s41558-020-0883-0>

Foster, D.R. and J.D. Aber. 2004. *Forests in Time: The Environmental Consequences of 1,000 Years of Change in New England*. New Haven, CT: Yale University Press.

Foster-McGregor, N. and B. Verspagen. 2016. Role of structural change in the economic development of Asian economies. *Asian Development Review* 33:74–93.

Fourastié, J. 1949. *Le grand espoir du XXe siècle*. Paris: Presses Universitaires de France.

Fowler, D. et al. 2013. The global nitrogen cycle in the twenty-first century. *Philosophical Transactions of the Royal Society B* 368: 20130164

Franchetti, C. 2013. A reconsideration of Werner Sombart's Luxury and Capitalism. *International Review of Social Sciences and Humanities* 5:135–139.

Franits, W. 2004. *Dutch Seventeenth-Century Genre Painting*. New Haven, CT: Yale University Press.

Frank, A.G. 1998. *ReOrient: Global Economy in the Asian Age*. Berkeley, CA: University of California Press.

FRED (Federal Reserve Economic Data). 2018. Economic data. <https://fred.stlouisfed.org/>

Freeman, J.B. 2018. *Behemoth: A History of the Factory and the Making of the Modern World*. New York: W.W. Norton.

Freinkel, S. 2007. *American Chestnut: The Life, Death, and Rebirth of a Perfect Tree*. Berkeley, CA: University of California Press.

Fridley, D. et al. 2008. *China Energy Databook*. Berkeley, CA: Lawrence Berkeley Laboratory.

Fruehan, R.J. et al. 2000. Theoretical Minimum Energies to Produce Steel for Selected Conditions. Washington, DC: US Department of Energy Office of Industrial Technologies.

참고 문헌 20

Fry, J.P. et al. 2018. Feed conversion efficiency in aquaculture: Do we measure it correctly? *Environmental Research Letters* 13 024017

FSO (Federal Statistical Office). 2015. Germany's Population by 2060. Wiesbaden: FSO. https://www.destatis.de/EN/Publications/Specialized/Population/GermanyPopulation2060_5124206159004.pdf?__blob=publicationFile

Fullerton, J. 2017. China doesn't understand the concept of American Chinese food. https://munchies.vice.com/en_us/article/ypxjmg/china-doesnt-understand-the-concept-of-american-chinese-food

Gabaix, X. 1999. Zipf's law for cities: An explanation. *Quarterly Journal of Economics* 114:739–767.

Galor, O. 2011a. *Unified Growth Theory*. Princeton, NJ: Princeton University Press.

Galor, O. 2011b. *The Demographic Transition: Causes and Consequences*. Cambridge, MA: NBER.

Gartner. 2018. Gartner says worldwide sales of smartphones recorded first ever decline during the fourth quarter of 2017. <https://www.gartner.com/en/newsroom/press-releases/2018-02-22-gartner-says-worldwide-sales-of-smartphones-recorded-first-ever-decline-during-the-fourth-quarter-of-2017>

Gaston, K.J. et al. 2013. The ecological impacts of nighttime light pollution: A mechanistic appraisal. *Biological Reviews* 88:912–927.

GCP (Global Carbon Project). 2019. The Global Carbon Project. <https://www.globalcarbonproject.org/>

GE Aviation. 2019. The GEnx commercial aircraft engine. <https://www.geaviation.com/commercial/engines/genx-engine>

Geddes, A. and P. Scholten. 2016. *The Politics of Migration and Immigration in Europe*. Thousand Oaks, CA: Sage.

Georgescu-Roegen, N. 1971. *The Entropy Law and the Economic Process*. Cambridge, MA: Harvard University Press.

Georgescu-Roegen, N. 1975. Energy and economic myths. *Ecologist* 5:164–174, 242–252.

Georgescu-Roegen, N. 1986. The entropy law and the economic process in retrospect. *Eastern Economic Journal* 12(1):3–25.

참고 문헌 21

Gerland, P. et al. 2014. World population stabilization unlikely this century. *Science* 346:234–237.

Gerrior, S.V. et al. 2004. Nutrient Content of the U.S. Food Supply, 1909–2000. Washington, DC: USDA.

Geyer, R. et al. 2017. Production, use, and fate of all plastics ever made. *Science Advances* 2017 3(7): e1700782.

GFN (Global Footprint Network). 2018. Earth overshoot day. <https://www.overshoot-day.org/>

GFSAD (Global Food Security-Support Analysis Data). 2017. Global Food Security-Support Analysis Data at 30 m (GFSAD). https://www.usgs.gov/centers/wgsc/science/global-food-security-support-analysis-data-30-m-gfsad?qt-science_center_objects=0#qt-science_center_objects

Giampietro M. and A. Saltelli. 2014. Footprints to nowhere. *Ecological Indicators* 46:610–621.

Gibson, J. and E. Lennon. 1999. Region and country or area of birth of the foreign-born population, with geographic detail shown in decennial census publications of 1930 or earlier: 1850 to 1930 and 1960 to 1990. In: *Historical Census Statistics on the Foreign-born Population of the United States: 1850–1990*. Washington, DC: USBC.

Gingrich, S. et al. 2018. Agroecosystem energy transitions in the old and new worlds: Trajectories and determinants at the regional scale. *Regional Environmental Change* 19:1089–1101.

Glaeser, E.L., ed. 2010. *Agglomeration Economics*. Chicago: The University of Chicago Press.

Glaeser, E. 2011. *Triumph of the City: How Our Greatest Invention Makes Us Richer, Smarter, Greener, Healthier, and Happier*. New York: Penguin.

Glaeser, E.L. and K. Tobio. 2007. *The Rise of the Sunbelt*. Cambridge, MA: Taubman Center. <https://www.hks.harvard.edu/sites/default/files/centers/taubman/files/sunbelt.pdf>

Glass, J.L. and M.C. Noonan, M.C. 2016. Telecommuting and earnings trajectories among American women and men 1989–2008. *Social Forces* 95:217–250.

Godone, D. and S. Stanchi, eds. 2011. *Soil Erosion Issues in Agriculture*. doi: 10.5772/926

참고 문헌 22

Gold, S. 2003. The Development of European Forest Resources, 1950 to 2000: A Better Information Base. Geneva: UNECE.

Goldstein, J.R. et al. 2009. The End of 'Lowest-Low' Fertility? Rostock, Germany: Max Planck Institute for Demographic Research.

Gondo, Y. and L.W. Poon. 2007. Cognitive function of centenarians and its influence on longevity. *Annual Review of Gerontology & Geriatrics* 27:129–149.

Gordon, R.J. 2012. Is U.S. Economic Growth Over? Faltering Innovations Confront the Six Headwinds. Cambridge, MA: NBER.

Gordon, R.J. 2016. The Rise and Fall of American Growth. Princeton, NJ: Princeton University Press.

Goren-Inbar, N. et al. 2004. Evidence of hominin control of fire at Gesher Benot Ya'aqov, Israel. *Science* 304:725–727.

GOS (Government Office for Science). 2016. Future of an Ageing Population. London: GOS.

Governing. 2018. Car Ownership in U.S. Cities Data and Map. <http://www.governing.com/gov-data/car-ownership-numbers-of-vehicles-by-city-map.html>

Grant, R.G. 2017. Flight: The Complete History of Aviation. London: DK.

Gray, J. 2015. Steven Pinker is wrong about violence and war. *The Guardian*, March 13, 2015. <https://www.theguardian.com/books/2015/mar/13/john-gray-steven-pinker-wrong-violence-war-declining>

GRUMP (The Global Rural-Urban Mapping Project). 2019. The Global Rural-Urban Mapping Project. New York: Columbia University. <http://sedac.ciesin.columbia.edu/data/collection/grump-v1>

Guo, J. et al. 2010. Significant acidification in major Chinese croplands. *Science* 327:1008–1010.

Gustavsson, J. et al. 2011. Global Food Losses and Food Waste. <http://www.fao.org/3/a-i2697e.pdf>

Guzmán, G.I. et al. 2018. Spanish agriculture from 1900 to 2008: A long-term perspective on agroecosystem energy from an agroecological approach. *Regional Environmental Change* 19:995–1008.

GYGA (Global Yield Gap and Water Productivity Atlas). 2017. Global Yield Gap Atlas. <http://www.yieldgap.org/>

참고 문헌 23

Haagen-Smit, A.J. 1952. Chemistry and physiology of Los Angeles smog. *Industrial and Engineering Chemistry Research* 44:1342–1346.

Haas, W. and F. Krausmann. 2015. *Rural Metabolism: Material Flows in an Austrian Village in 1830 and 2001*. Klagenfurt: Alpen-Adria Universität.

Habel, J.C. et al. 2015. Butterfly community shifts over two centuries. *Conservation Biology* 30:754–762.

Haberl, H. et al. 2007. Quantifying and mapping the human appropriation of net primary production in earth's terrestrial ecosystems. *Proceedings of the National Academy of Sciences* 104:12942–12947.

Haedrich, R.L. and L.C. Hamilton. 2000. The fall and future of Newfoundland's cod fishery. *Society & Natural Resources* 13:359–372.

Hale, J. 2006. Boeing 787 from the ground up. *AERO* 24(4):17–23. https://www.boeing.com/commercial/aeromagazine/articles/qtr_4_06/AERO_Q406.pdf

Hall, C.A.S. et al. 2014. EROI of different fuel and implications for society. *Energy Policy* 64:141–152.

Hall, K.D. et al. 2009. The progressive increase of food waste in America and its environmental impact. <http://www.plosone.org/article/metrics/info:doi/10.1371/journal.pone.0007940>

Hallmann, C.A. et al. 2017. More than 75 percent decline over 27 years in total flying insect biomass in protected areas. *PLoS ONE* 12(10): e0185809. <https://doi.org/10.1371/journal.pone.0185809>

Hamilton, C. 2015. Getting the Anthropocene so wrong. *The Anthropocene Review* 2:102–107.

Hanemann, T. and M. Huotari. 2017. *Record Flows and Growing Imbalances: Chinese Investment in Europe in 2016*. Berlin: Mercator Institute of China Studies.

Hanley, S.B. 1974. Fertility, mortality, and life expectancy in pre-modern Japan. *Population Studies* 28:127–142.

Hara, T. 2015. *A Shrinking Society Post-Demographic Transition in Japan*. Tokyo: Springer.

Haraguchi, N. et al. 2016. The importance of manufacturing in economic development: Has this changed? *World Development* 93:293–315.

참고 문헌 24

Harari, Y. 2018. *Homo Deus*. <https://www.ynharari.com/book/homo-deus/>

Hardin, G. 1992. *Living within Limits: Ecology, Economics and Population Taboos*. New York: Oxford University Press.

Hart, N. 1993. Famine, maternal nutrition and infant mortality: A re-examination of the Dutch Hunger Winter. *Population Studies* 47:27–46.

Hasan, M.R. and M. Halwart, eds. 2009. *Fish as Feed Inputs for Aquaculture*. Rome: FAO.

Hasegawa, R. 2013. Disaster Evacuation from Japan's 2011 Tsunami Disaster and the Fukushima Nuclear Accident. Paris: Institute du développement durable et des relations internationales.

Hassoun, A. et al. 2017. Incidence, prevalence, and management of MRSA bacteraemia across patient populations—A review of recent developments in MRSA management and treatment. *Critical Care*. doi: 10.1186/s13054-017-1801-3

Haussmann, G.E. 1893. *Mémoires du baron Haussmann*. Paris: Victor-Havard.

He, F. et al. 2008. Forest change of China in recent 300 years. *Journal of Geographical Sciences* 18:59–72.

Hedges, S.B. et al. 2018. Haiti's biodiversity threatened by nearly complete loss of primary forest. *Proceedings of the National Academy of Sciences* 115:11850–11855.

Heilbroner, R.L. 1975. *An Inquiry Into the Human Prospect*. New York: W.W. Norton.

Helliwell, J.F. et al. 2019. 2019 Happiness Report. <https://s3.amazonaws.com/happiness-report/2019/WHR19.pdf>

Hicks, J. and G. Allen. 1999. *A Century of Change: Trends in UK Statistics since 1900*. London: House of Commons Library. <https://researchbriefings.files.parliament.uk/documents/RP99-111/RP99-111.pdf>

Hicks, S. 2014. Energy for growing and harvesting crops is a large component of farm operating costs. *Today in Energy*, October 17. <https://www.eia.gov/todayinenergy/detail.php?id=18431>

Hirth, L. 2013. *The Market Value of Variable Renewables: The Effect of Solar and Wind Power Variability on Their Relative Price*. Badia Fiesolana: European University Institute.

Hoegemeyer, T. 2014. *History: Corn Breeding and the US Seed Industry*. Lincoln: University of Nebraska. http://imbgl.cropsci.illinois.edu/school/2014/11_THOMAS_HOEGEMEYER.pdf

참고 문헌 25

Hohmann, G. and B. Fruth. 2008. Capture and meat eating by bonobos at Lui Kotale, Salonga National Park, Democratic Republic of Congo. *Folia Primatologica* 79:103–110.

Holt, R.A. 1988. *The Mills of Medieval England*. Oxford: Oxford University Press.

Hooke, R.L. et al. 2012. Land transformation by humans: A review. *GSA Today* 22:4–10.

Hornborg, S. and F. Ziegler. 2014. *Aquaculture and Energy-use: A Desk-Top Study*. Gothenburg: University of Gothenburg.

Howarth, R.W. et al. 2002. Nitrogen use in the United States from 1961–2000 and potential future trends. *Ambio* 31:88–96.

Howden-Chapman, P. and I. Kawachi. 2006. Paths to and from poverty in late 19th century novels. *Journal of Epidemiology and Community Health* 60:102–107. doi: 10.1136/jech.2005.038794

Hoyos, C. et al. 2015. Recent evidence on worldwide trends on sleep duration. *Current Sleep Medicine Reports* 1:195–204.

Huang, Z. 2017. After being James, Peter, and William, I decided to stick with my Chinese name. *Quartz* February 14, 2017. <https://qz.com/908929/after-being-james-peter-and-william-i-decided-to-stick-with-my-chinese-name/>

Hubbes, T. 1999. The American elm and Dutch elm disease. *Forestry Chronicle* 75:265–273.

Hughes, T.P. et al. 2018. Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. *Science* 359:80–83.

Hugo, G. 2015. *Urban Migration Trends, Challenges, Responses and Policy in the Asia-Pacific*. Grand Saconnex, Switzerland: International Organization for Migration.

Hunter, L.C. and L. Bryant. 1991. *A History of Industrial Power in the United States, 1780–1930*. Cambridge, MA: The MIT Press.

HYDE. 2018. Livestock. <http://themasites.pbl.nl/tridion/en/themasites/hyde/landuse/data/livestock/index-2.html>

HYDE. 2018. History Database of the Global Environment. <http://themasites.pbl.nl/en/themasites/hyde/index.html>

IAEA (International Atomic Energy Agency). 2018. Energy, Electricity and Nuclear Power Estimates for the Period up to 2050. Vienna: IAEA. https://www-pub.iaea.org/MTCD/Publications/PDF/RDS-1-38_web.pdf

참고 문헌 26

IEA (International Energy Agency. 2017a. Energy Access Outlook 2017. Paris: IEA.

IEA. 2017b. Global EV Outlook 2017. Paris: IEA.

IEA. 2018a. The Future of Cooling: Opportunities for Energy-Efficient Air Conditioning. Paris: IEA.

IEA. 2018b. World Energy Outlook 2018. Paris: IEA. <https://www.iea.org/weo2018/>

IEA. 2019. Global Energy & CO2 Status Report. Paris: IEA. <https://www.iea.org/geco/emissions/>

IETA (Industrial Efficiency Technology Database). 2018. Sectors. <http://ietd.iipnetwork.org/sectors>

IFIF (International Feed Industry Federation). 2017. 2016/2017 Annual Report. Luxembourg: IFIF. <http://annualreport.ifif.org/>

Ikeda, N. et al. 2015. Data resource profile: The Japan National Health and Nutrition Survey (NHNS). International Journal of Epidemiology 2015:1842–1849.

Imhoff, M.L. et al. 2004. Global patterns in human consumption of net primary production. Nature 429:870–873.

Institute of Medicine. 2005. Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids. Washington, DC: The National Academies Press. <https://doi.org/10.17226/10490>.

IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services). 2019. Global Assessment Report on Biodiversity and Ecosystem Services. Bonn: IPBES.

IPCC (Intergovernmental Panel on Climate Change). 2014. Climate Change 2014: Synthesis Report. Geneva: IPCC. <http://www.ipcc.ch/report/ar5/syr/>

IPCC. 2018. Global Warming of 1.5°C. Geneva: IPCC. <http://www.isaaa.org/resources/publications/briefs/53/download/isaaa-brief-53-2017.pdf>

ISC (International Systems Consortium). 2018. ISC Internet Domain Survey. <https://www.isc.org/network/survey/>

IUCN (International Union for Conservation of Nature). 2016. Protected Planet Report 2016. Cambridge and Gland, Switzerland: NEP-WCMC and IUCN.

IUCN. 2018. Red List. <https://www.iucnredlist.org/about/background-history>

참고 문헌 27

IWA (International Water Association). 2016. International Statistics for Water Services 2016. http://www.iwa-network.org/wp-content/uploads/2016/10/Water_Statistics_SCREEN.pdf

Jain-Chandra, S. et al. 2017. Inequality in China—Trends, Drivers and Policy Remedies. Washington, DC: IMF.

Jambeck, J.R. et al. 2015. Plastic waste inputs from land into the ocean. *Science* 347:768–771.

James, S.R. 1989. Hominid use of fire in the Lower and Middle Pleistocene. *Current Anthropology* 30:1–26.

Jamieson, A.J. et al. 2019. Microplastics and synthetic particles ingested by deep-sea amphipods in six of the deepest marine ecosystems on Earth. *Royal Society Open Science*. <https://doi.org/10.1098/rsos.180667>

Jansen, M.B. 2000. *The Making of Modern Japan*. Cambridge, MA: Belknap Press.

Jaskelioff, M. et al. 2011. Telomerase reactivation reverses tissue degeneration in aged telomerase deficient mice. *Nature* 469:102–106.

Jayachandran, S. et al. 2010. Modern medicine and the twentieth century decline in mortality: Evidence on the impact of sulfa drugs. *American Economic Journal: Applied Economics* 2:118–146.

Jedwab, R. and D. Vollrath. 2014. Urbanization without growth in historical perspective. *Explorations in Economic History* 58:1–21.

Jeong, S-J. et al. 2014. Effects of double cropping on summer climate of the North China Plain and neighbouring regions. *Nature Climate Change* 4:615–619.

Jiang, B. et al. 2015. Zipf's law for all the natural cities around the world. *International Journal of Geographical Information Science* 29:498–522.

Johansen, H.C. 2002. *Danish Population History, 1600–1939*. Odense: University Press of Southern Denmark.

Johannsen, O. 1953. *Geschichte des Eisens*. Dusseldorf: Verlag Stahleisen.

Johnson, C.N. 2009. Ecological consequences of Late Quaternary extinctions of megafauna. *Proceedings of the Royal Society B* 276:2509–2519.

Johnson, K. et al. 2011. Changes in the Direct and Indirect Determinants of Fertility in Sub-Saharan Africa. Calverton, MD: ICF Macro.

참고 문헌 28

Johnson, K.M. et al. 2018. More deaths than births: Subnational natural decrease in Europe and the United States. *Population and Development Review* 44:651–680.

Jones, K.R. et al. 2018. The location and protection status of Earth’s diminishing marine wilderness. *Current Biology* 28:2506–2512.

Jütte, R. 2008. *Contraception: A History*. Cambridge: Polity.

Kadlec, C.W. and R.J. Acampora. 1999. *Dow 100,000: Fact or Fiction*. New York: New York Institute of Finance.

Kalgathgi, G. 2018. Is it really the end of internal combustion engines and petroleum in transport? *Applied Energy* 225:965–974.

Kalland, A. and B. Moeran. 1992. *Japanese Whaling: End of an Era*? London: Curzon Press.

Kander, A. et al. 2013. *Power to the People: Energy in Europe over the Last Five Centuries*. Princeton, NJ: Princeton University Press.

Kannel, W.B. et al. 1961. Factors of risk in the development of coronary heart disease—Six-year follow-up experience: The Framingham Study. *Annals of Internal Medicine* 55:33–50.

Kantar Worldpanel. 2017. *An Incredible Decade for the Smartphone: What’s Next?* Barcelona: Kantar Worldpanel.

Karkanas, P. et al. 2007. Evidence for habitual use of fire at the end of the Lower Paleolithic: Site-formation processes at Qesem Cave, Israel. *Journal of Human Evolution* 53:197–212.

Kebede, E. et al. 2019. Stalls in Africa’s fertility decline partly result from disruptions in female education. *Proceedings of the National Academy of Sciences* 116:2891–2896.

Keith, D. 2000. Geoengineering the climate: History and prospect. *Annual Review of Energy and the Environment* 25:245–184.

Keith, D. 2013. *A Case for Climate Engineering*. Cambridge, MA: The MIT Press.

Keller, M. et al., eds. 2013. *Amazonia and Global Change*. Washington, DC: American Geophysical Union.

Kendrick, J.W. 1961. *Productivity Trends in the United States*. Princeton, NJ: Princeton University Press.

참고 문헌 29

Kestemont, B. and M. Kerkhove. 2010. Material flow accounting of an Indian village. *Biomass and Bioenergy* 34:1175–1182.

Keyfitz, N. and W. Flieger. 1991. *World Population Growth and Aging: Demographic Trends in the Late Twentieth Century*. Chicago: The University of Chicago Press.

Keys, A. 1980. *Seven Countries: A Multivariate Analysis of Death and Coronary Heart Disease*. Cambridge, MA: Harvard University Press.

Keys, A. and M. Keys. 1975. *How to Eat Well and Stay Well the Mediterranean Way*. New York: Doubleday.

Kikkawa, T. 2012. The history of Japan's electric power industry before World War II. *Hitotsubashi Journal of Commerce and Management* 46:1–16.

Kim, E. et al. 2018. Agri-food-energy system metabolism: A historical study for northern France, from nineteenth to twenty-first centuries. *Regional Environmental Change* 19:1009–1019.

King, M. et al. 2018. Northward shift of the agricultural climate zone under 21st-century global climate change. *Scientific Reports* 8:7904. doi:10.1038/s41598-018-26321-8

Kirk, D. 1946. *Europe's Population in the Interwar Years*. Princeton, NJ: Princeton University Press.

Kirk, D. 1996. Demographic transition theory. *Population Studies* 50:361–387.

Kirsch, D. 2000. *The Electric Vehicle and the Burden of History*. New Brunswick, NJ: Rutgers University Press.

Kitson, M. and J. Michie. 2014. *The Deindustrial Revolution: The Rise and Fall of UK Manufacturing, 1870–2010*. Cambridge: Centre for Business Research.

Klein Goldewijk, K. 2001. Estimating global land use change over the past 300 years: The HYDE Database. *Global Biogeochemical Cycles* 15:417–433.

Klem, D. and P.G. Saenger. 2013. Evaluating the effectiveness of select visual signals to prevent bird-window collisions. *The Wilson Journal of Ornithology* 125:406–411.

Klid, B. and A.J. Motyl, eds. 2012. *The Holodomor Reader: A Sourcebook on the Famine of 1932–1933 in Ukraine*. Edmonton, Canada: University of Alberta Press.

Kohler, H-P. et al. 2002. The emergence of lowest-low fertility in Europe during the 1990s. *Population and Development Review* 28:641–680.

참고 문헌 30

Kojima, G. et al. 2017. Prevalence of frailty in Japan: A systematic review and meta-analysis. *Journal of Epidemiology* 27:347–353.

Kormos, C.F. et al. 2017. World Heritage, Wilderness, and Large Landscapes and Seascapes. Gland, Switzerland: IUCN

Kraus, L.J. 2016. Human and Environmental Effects of Light Emitting Diode (LED) Community Lighting. CSAPH Report 2-A-16. http://darksky.org/wp-content/uploads/bsk-pdf-manager/AMA_Report_2016_60.pdf

Krausmann, F. et al. 2011. The metabolic transition in Japan. *Journal of Industrial Ecology* 15:877–892.

Kroodsma, D.A. et al. 2018. Tracking the global footprint of fisheries. *Science* 359:904–908.

Krugman, P. 1991. *Geography and Trade*. Cambridge, MA: MIT Press.

Kumar, H. et al. 2017. Energizing India. New Delhi: NITI Aayog. http://niti.gov.in/writereaddata/files/document_publication/Energy%20Booklet.pdf

Kurzweil, R. 2001. The Law of Accelerating Returns. <http://www.kurzweilai.net/the-law-of-accelerating-returns>

Kurzweil, R. 2017. Kurzweil Accelerating Intelligence. <http://www.kurzweilai.net/>

Kuznets, S. 1937. National income and capital formation, 1919–1935. In: M. Friedman, ed., *Studies in Income and Wealth*, vol. 1, Washington, DC: NBER, pp. 35–48.

Kuznets, S. 1966. *Modern Economic Growth*. New Haven, CT: Yale University Press.

Kyodo. 2017. Unclaimed land to cost Japan ¥6 trillion and extend to 90% size of Hokkaido by 2040. <https://www.japantimes.co.jp/news/2017/10/26/national/unclaimed-land-cost-japan-¥6-trillion-extend-90-size-hokkaido-2040/#.Wu9ywExFyU>

Kyodo. 2018. Japanese municipalities offer services for those worried about dying alone. <https://www.japantimes.co.jp/news/2018/04/19/national/social-issues/japanese-municipalities-move-assist-people-worried-dying-alone/#.W0NdyfZFyUk>

Kyodo. 2019. Japan sees record low number of babies born in 2019. <https://english.kyodonews.net/news/2019/12/99520f842b44-japan-sees-record-low-number-of-babies-born-in-2019.html>.

La Berge, A.F. 2008. How the ideology of low fat conquered America. *Journal of the History of Medicine and Allied Sciences* 63:139–177.

참고 문헌 31

Ladha, J.K. et al. 2005. Efficiency of fertilizer nitrogen in cereal production: Retrospects and prospects. *Advances in Agronomy* 37:85–156.

Lamb, J. 2016. *Scurvy: The Disease of Discovery*. Princeton, NJ: Princeton University Press.

Lampe, M. and P. Sharp. 2018. *A Land of Milk and Butter*. Chicago: Chicago University Press.

Landry, A. 1934. *La révolution démographique—Études et essais sur les problèmes de la population*. Paris: INED-Presses Universitaires de France.

Lassaletta, L. et al. 2014. 50 year trends in nitrogen use efficiency of world cropping systems: The relationship between yield and nitrogen input to cropland. *Environmental Research Letters* 9: 105011.

Latham, J. et al. 2014. *Global Land Cover SHARE (GLC-SHARE) database Beta-Release Version 1.0*. Rome: FAO.

Lawrence, D. and K. Vandecar. 2015. Effects of tropical deforestation on climate and agriculture. *Nature Climate Change* 5:7–36.

Laybourn-Langton, L. et al. 2019. *This Is a Crisis: Facing up to the Age of Environmental Breakdown*. London: Institute for Public Policy Research.

Lazard. 2018. *Lazard's Levelized Cost of Storage Analysis—Version 4.0*. <https://www.lazard.com/media/450774/lazards-levelized-cost-of-storage-version-40-vfinal.pdf>

Lazaroff, Cat. 2001. California mandates electric cars. *Environment News Service*. <http://ens.lycos.com/ens/jan2001/2001L-01-30-06.html>

Lebergott, S. 1966. Labor force and employment, 1800–1960. In: Brady, D.S., ed., *Output, Employment, and Productivity in the United States after 1800*. Cambridge, MA: NBER, pp. 117–204.

Lebreton, L. et al. 2018. Evidence that the Great Pacific Garbage Patch is rapidly accumulating plastic. *Scientific Reports* 8:4666. doi:10.1038/s41598-018-22939-w

Lee, R. 2003. The demographic transition: Three centuries of fundamental change. *Journal of Economic Perspectives* 17:167–190.

Lee, R. and A. Mason. 2011. *Population Aging and the Generational Economy: A Global Perspective*. Cheltenham: Edward Elgar.

참고 문헌 32

Lee, R.D. and D.S. Reher, eds. 2011. Demographic Transition and Its Consequences. Population and Development Review: A Supplement to Volume 37. New York: Population Council.

Leeb, M. 2004. A shot in the arm. *Nature* 431:892–893.

Lehmann, J. et al. 2003. Amazonian Dark Earths: Origin, Properties, Management. Dordrecht: Kluwer Academic Publishing.

Lehsten, V. et al. 2009. Estimating carbon emissions from African wildfires. *Biogeosciences* 6:349–360.

Lenton, T.M. et al. 2019. Climate tipping points—too risky to bet against. *Nature* 575:592–595.

Leonhardt, M. 2017. This is the best meal-kit service on the market right now. *Time* July 19, 2017. <http://time.com/money/4856342/best-meal-kits-value/>

LeQuéré, C. et al. 2018. Global carbon budget 2017. *Earth Systems Science Data* 10:405–448. <https://doi.org/10.5194/essd-10-405-2018>

Lesk, M. 1997. How much information is there in the world? <https://courses.cs.washington.edu/courses/cse590s/03au/lesk.pdf>

Lesthaeghe, R. 2014. The second demographic transition: A concise overview of its development. *Proceedings of the National Academy of Sciences of the USA* 111:18112–18115.

Levinson, M. 2012. U.S. Manufacturing in International Perspective. Washington, DC: Congressional Research Service. <http://www.fas.org/sgp/crs/misc/R42135.pdf>

Levy, B.R. et al. 2002. Longevity increases by positive self-perceptions of aging. *Journal of Personality and Social Psychology* 83:261–270.

Lewis, J. and E. Severnini. 2014. The Value of Rural Electricity: Evidence from the Rollout of the U.S. Power Grid. <https://pdfs.semanticscholar.org/8202/a72b497eee7b-74d2a7a82022412381d870da.pdf>

Lewis, S.L. et al. 2009. Increasing carbon storage in intact African tropical forests. *Nature* 457:1003–1006.

Li, D. et al. 2020. Estimating the scale of COVID-19 epidemic in the United States: Simulations based on air traffic directly from Wuhan, China. *medRxiv* doi: <https://doi.org/10.1101/2020.03.06.20031880>

참고 문헌 33

Li, G. 2011. *World Atlas of Oil and Gas Basins*. Oxford: Wiley-Blackwell.

Li, H. et al. 2017. Cadmium in rice: Transport mechanisms, influencing factors, and minimizing measures. *Environmental Pollution* 224:622–630.

Li, K. et al. 2016. Distribution of phthalate esters in agricultural soils with plastic film mulching in Shandong Peninsula, East China. *Chemosphere* 164:314–321.

Liang, S.L. et al. 2010. Impacts of climate change and land use changes on land surface radiation and energy budgets. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* 3:219–224.

Liang, Y. et al. 2016. Depression among left-behind children in China. *Journal of Health Psychology* 14:1897–1905.

Liebig, J. von. 1840. *Chemistry in Its Application to Agriculture and Physiology*. London: Taylor & Walton.

Lilley, S. 1966. *Men, Machines and History*. New York: International Publishers.

Lind, J. 1753. *A Treatise of the Scurvy*. Edinburgh: A. Kincaid & A. Donaldson.

Lister, B.C. and A. Garcia. 2018. Climate-driven declines in arthropod abundance restructure a rainforest web. *Proceedings of the National Academy of Sciences* 115. doi: 10.1073/pnas.1722477115

Liu, J. et al. 2005. China's changing landscape during the 1990s: Large-scale land transformation estimated with satellite data. *Geophysical Research Letters* 32:L02405. doi:10.1029/2004GL021649

Liu, L. and H. Liang. 2017. China's registered urban population will increase by 300mn. CICC Research May 9, 2017.

Liu, X. et al. 2016. Cadmium (Cd) distribution and contamination in Chinese paddy soils on national scale. *Environmental Science and Pollution Research* 23:17941–17952.

Loss, S.R. et al. 2014. Bird-building collisions in the United States: Estimates of annual mortality and species vulnerability. *Condor* 116:8–23.

Lu, M., and Y. Xia. 2016. Migration in the People's Republic of China. ADBI Working Paper 593. Tokyo: Asian Development Bank Institute. Available: <https://www.adb.org/publications/migration-people-republic-china/>

참고 문헌 34

Lü, H. et al. 2018. Soil contamination and sources of phthalates and its health risk in China: A review. *Environmental Research* 164:47–429.

Lucassen, L. and J. Lucassen. 2014. *Globalising Migration History: The Eurasian Experience (16th–21st Centuries)*. Leiden: Brill Publishers.

Lumpkin, T.A. 2015. How a gene from Japan revolutionized the world of wheat: CIMMYT's quest for combining genes to mitigate threats to global food security. In: Y. Ogi-hara et al., eds., *Advances in Wheat Genetics: From Genome to Field*, Berlin, Springer-Verlag, pp. 13–20.

Lutz, W. et al. 2001. The end of world population growth. *Nature* 412:543–545.

Lutz, W. et al., eds. 2014. *World Population and Global Human Capital in the 21st Century*. Oxford: Oxford University Press.

Ma, L. et al. 2010. Modeling nutrient flows in the food chain of China. *Journal of Environmental Quality* 39:1279–1289.

Maddison, A. 2007. *Contours of the World Economy, 1–2020 AD*. Oxford: Oxford University Press.

Madrigal, A.C. 2018. When did TV watching peak? <https://www.theatlantic.com/technology/archive/2018/05/when-did-tv-watching-peak/561464/>

Magee, D. 2005. *The John Deere Way: Performance That Endures*. Hoboken, NJ: John Wiley.

Mainous, A.G. et al. 2009. Availability of antibiotics for purchase without a prescription on the Internet. *Annals of Family Medicine* 7:731–735.

Malanima, P. 2011. The long decline of a leading economy: GDP in Central and Northern Italy, 1300–1913. *European Review of Economic History* 15:169–219.

Marck A. et al. 2017. Are we reaching the limits of *Homo sapiens*? *Frontiers in Physiology* 8:812.

Marshall, A. 1890. *Principles of Economics*. London: MacMillan.

Martin, P.S. 1958. Pleistocene ecology and biogeography of North America. *Zoogeography* 151:375–420.

Martin, P.S. 1990. 40,000 years of extinctions on the “planet of doom.” *Palaeogeography, Palaeoclimatology, Palaeoecology* 82:187–201.

참고 문헌 35

Martin, P.S. 2005. *Twilight of the Mammoths*. Berkeley, CA: University of California Press.

Mason, A. 2005. Demographic Transition and Demographic Dividends in Developed and Developing Countries. Mexico City: UN. https://www.researchgate.net/publication/252403184_Demographic_Transition_and_Demographic_Dividends_in_Developed_and_Developing_Countries/link/5432ee0c0cf225bddcc99892/download

Mason, A. et al. 2017. Support Ratios and Demographic Dividends: Estimates for the World. New York: UN.

Mateos-Planas, X. 2002. The demographic transition in Europe: A neoclassical dynastic approach. *Review of Economic Dynamics* 5:646–680.

Matos, G.R. 2017. Use of Raw Materials in the United States from 1900 through 2014. Washington, DC: USGS. <https://pubs.usgs.gov/fs/2017/3062/fs20173062.pdf>

Matos, G. and L. Wagner. 1998. Consumption of materials in the United States, 1900–1995. *Annual Review of Energy* 23:107–122. <http://pubs.usgs.gov/annrev/ar23-107/aerdocnew.pdf>

Matthews E. 1983. Global vegetation and land use: New high-resolution data bases for climatic studies. *Journal of Climate and Applied Meteorology* 22:474–487.

Matthews, E. et al. 2000. *Pilot Analysis of Global Ecosystems*. Washington, DC: World Resources Institute.

Matthews, R.C.O. et al. 1982. *British Economic Growth, 1856–1973*. Oxford: Oxford University Press.

Mattison, J.A. et al. 2012. Impact of caloric restriction on health and survival in rhesus monkeys: The NIA study. *Nature* 489:318–321.

Maurer, J.M. et al. 2019. Acceleration of ice loss across Himalayas over the past 40 years. *Science Advances* 2019 5: eaav7266

Mazda. 2018. Skyactiv-X. <http://www2.mazda.com/en/next-generation/technology/>

McCalley, B. 1994. *Model T Ford: The Car That Changed the World*. Iola, WI: Krause Publications.

McCauley, D.J. et al. 2015. Marine defaunation: Animal loss in the global ocean. *Science* 347. doi: 10.1126/science.1255641.

참고 문헌 36

McCloskey, J.M. and H. Spalding H. 1989. A reconnaissance-level inventory of the amount of wilderness remaining in the world. *Ambio* 18:221–227.

McDaniel, J.W. 2018. 1903 Wright engine. www.wright-brothers.org/Information_Desk/Just_the_Facts/Engines_&_Props/1903_Engine.htm

McDonalds. 2019. McDonald's sandwich: Big Mac® Nutrition Facts & Calories <https://nutritiondata.self.com/facts/foods-from-mcdonalds/6220/2>

McKenzie, B. 2015. Majority of Americans drive to work, but less so for urban millennials. <https://www.census.gov/newsroom/blogs/random-samplings/2015/08/majority-of-americans-drive-to-work-but-less-so-for-urban-millennials.html>

McKeown, T. et al. 1975. An interpretation of the decline of mortality in England and Wales during the twentieth century. *Population Studies* 29:391–422.

McKibben, B. 2019. Falter: Has the Human Game Begun to Play Itself Out? New York: Henry Holt and Company.

McKinlay, J.B. and S.M. McKinlay. 1977. The questionable contribution of medical measures to the decline of mortality in the United States in the twentieth century. *The Milbank Memorial Fund Quarterly. Health and Society* 55:405–428.

McNeill, W.H. 1992. The Global Condition. Princeton, NJ: Princeton University Press.

MCPE (Ministerial Conference on the Protection of Forests in Europe). 2007. State of Europe's Forests 2007. Warsaw: MCPE.

McShane, C. 1997. The Automobile: A Chronology. New York: Greenwood Press.

Meacham, S. 1999. Regaining Paradise: Englishness and the Early Garden City Movement. New Haven, CT: Yale University Press.

Meadows, D.J. et al. 1972. The Limits to Growth. New York: Universe Books.

Mellars, P. 2006. Why did modern human populations disperse from Africa ca. 60000 years ago? A new model. *Proceedings of the National Academy of Sciences* 103:9381–9386.

Messisbugo, C. 1549. Banchetti, composizioni di vivande e apparecchio generale. Ferrara: Per Giovanni de Buglhat et Antonio Hucher Compagni.

Miao, L. et al. 2016. China's land-use changes during the past 300 years: A historical perspective. *International Journal of Environmental Research and Public Health* 13, 847. doi:10.3390/ijerph13090847

참고 문헌 37

Mikkelsen, R. and T.K. Hartz. 2008. Nitrogen sources for organic crop production. *Better Crops* 92(4):16–19.

Milanovic, B., ed. 2012. *Globalization and Inequality*. Cheltenham, UK: Edward Elgar.

Mintz, S.W. 1986. *Sweetness and Power: The Place of Sugar in Modern History*. New York: Penguin Books.

Mitchell, B.R. 2007. *International Historical Statistics*. New York: Palgrave.

Miura, I. 2009. Japanese tofu industry. <http://www.midwestshippers.com/conferencePresentations/JapaneseTofuMarket.pdf>

Mokyr, J. 2001. The rise and fall of the factory system: Technology, firms, and households since the Industrial Revolution. *Carnegie-Rochester Conference Series on Public Policy* 55:1–45. [https://doi.org/10.1016/S0167-2231\(01\)00050-1](https://doi.org/10.1016/S0167-2231(01)00050-1)

Mokyr, J. 2002. *The Gifts of Athena: Historical Origins of the Knowledge Economy*. Princeton, NJ: Princeton University Press.

Mokyr, J. 2009. *The Enlightened Economy: An Economic History of Britain 1700–1850*. New Haven: Yale University Press.

Mokyr, J. 2014. The next age of invention. *City Journal* Winter 2014. <https://www.city-journal.org/html/next-age-invention-13618.html>

Mokyr, J. 2017. *A Culture of Growth: The Origins of the Modern Economy*. Princeton, NJ: Princeton University Press.

Monceau, C. et al. 2002. La consommation alimentaire depuis quarante ans: de plus en plus de produits élaborés. INSEE No. 846. Paris: INSEE.

Monhollon, R., ed. 2010. *Baby Boom*. Santa Barbara, CA: ABC-Clio.

Morales-Hidalgo, D. et al. 2015. Status and trends in global primary forest, protected area, and areas designated for conservation of biodiversity from the Global Forest Resources Assessment 2015. *Forest Ecology and Management* 352:8–77.

Morris, I. 2005. *The Growth of Greek Cities in the First Millennium BC*. Stanford, CA: Stanford University.

Mosk, C. 1977. Demographic transition in Japan. *The Journal of Economic History* 37:655–674.

Moss, A. 2015. Kellingley mining machines buried in last deep pit. BBC News December 18, 2015. <http://www.bbc.com/news/uk-england-york-north-yorkshire-35063853>

참고 문헌 38

Moutinho, P., ed. 2012. Deforestation around the World. Rijeka, Croatia: InTech.

Mozaffarian, D. et al. 2018. History of modern nutrition science—implications for current research, dietary guidelines, and food policy. *British Medical Journal* 2018 361:k2392. doi: 10.1136/bmj.k2392

Mozaffarian, R.S. et al. 2013. Identifying whole grain foods: A comparison of different approaches for selecting more healthful whole grain products. *Public Health and Nutrition* 16:2255–2264.

Mraz, S.J. 2003. A century of progress in aircraft materials—Part 1 Wood and Fabric. *Machine Design* November 6, 2003. <https://www.machinedesign.com/archive/century-progress-aircraft-materials-part-1-wood-and-fabric>

MSC. 2019. MSC Gülsün Class Ships. <https://www.msc.com/maf/about-us/new-ships>

Muir, J.F. 2015. Fuel and Energy Use in the Fisheries Sector. Rome: FAO.

Munich Re. 2004. Megacities—Megarisks: Trends and challenges for insurance and risk management. http://www.preventionweb.net/files/646_10363.pdf

Muramatsu, N. and H. Akiyama. 2011. Japan: Super-aging society preparing for the future. *The Gerontologist* 51:425–432.

Musson, A.E. 1978. The Growth of British Industry. New York: Holmes & Meier.

Myhrvold, N. and F. Migoya. 2017. Modernist Bread. Seattle, WA: The Cooking Lab.

Nagengast, B. 2002. 100 years of airconditioning. *ASHRAE Journal* June 2002:44–46. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.623.5702&rep=rep1&type=pdf>

Nance, M. 2016. The Plot to Hack America. New York: Skyhorse Publishing.

NASA. 2008. Aquatic dead zones. <https://earthobservatory.nasa.gov/images/44677/aquatic-dead-zones>

NASA. 2018. Earth at night. https://www.nasa.gov/topics/earth/earthday/gall_earth_night.html

NBS (National Bureau of Statistics). 2000. *China Statistical Yearbook 2000*. Beijing: NBS.

NBSC. 2019. *China Statistical Yearbook 2019*. Beijing: China Statistics Press. <http://www.stats.gov.cn/tjsj/ndsj/2019/indexeh.htm>

참고 문헌 39

NCD Risk Factor Collaboration (NCD-RisC). 2016. A century of trends in adult human height. *eLife* 2016 5: e13410. doi: 10.7554/eLife.13410

Nef, J.U. 1932. *The Rise of the British Coal Industry*. London: G. Routledge.

Neira, D.P. et al. 2018. Energy use and carbon footprint of the tomato production in heated multi-tunnel greenhouses in Almeria within an exporting agri-food system context. *Science of the Total Environment* 628:1627–1636.

Nemani, R.R. et al. 2002. Recent trends in hydrologic balance have enhanced the terrestrial carbon sink in the United States. *Geophysical Research Letters* 2:106-1–106-4.

Nemani, R.R. et al. 2003. Climate-driven increases in global terrestrial net primary production from 1982 to 1999. *Science* 300:1560–1563.

NEPIM (Network for the promotion of sustainable consumption in European regions). 2019. The plastic sea in Almeria, Spain. http://nepim.eu/cms/index.php?article_id=18&clang=3

Nepstad, D. et al. 2009. The end of deforestation in the Brazilian Amazon. *Science* 326:1350–1351.

NHANES (National Health and Nutrition Examination Survey). 2014. Nutrient intake NHANES 2011–2012: Males and females 2 and over: 2,139 kcal. http://www.ars.usda.gov/SP2UserFiles/Place/80400530/pdf/1112/Table_1_NIN_GEN_11.pdf

NHK Cultural Institute. 2015. Kokumin zentai. http://www.nhk.or.jp/bunken/research/yoron/pdf/20160217_2.pdf

Nichols, H.B. et al. 2006. From menarche to menopause: Trends among US women born from 1912 to 1969. *American Journal of Epidemiology* 164:1003–1011.

Nielsen, R.W. 2015. Demographic transition theory contradicted repeatedly by data. <http://arxiv.org/ftp/arxiv/papers/1510/1510.00471.pdf>

NIH (National Institute of Health). 2019. Calculate your body mass index. https://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmicalc.htm

Nikkei. 2014. 人口減少地図 Jinkō genshō chizu (Map of population decline). <https://www.nikkei.com/edit/interactive/population2014/map.html>

Nikkel, L. et al. 2019. *The Avoidable Crisis of Food Waste: Roadmap*. Toronto: Second Harvest and Value Chain Management International.

참고 문헌 40

NIPSSR (National Institute of Population and Social Security Research in Japan). 2017. *Population Projections for Japan (2017): 2016 to 2065*. Tokyo: NIPSSR.

Nishiyama, K. 1997. *Edo Culture: Daily Life and Diversions in Urban Japan, 1600–1868*. Honolulu: University of Hawai'i Press.

NOAA (National Oceanic and Atmospheric Administration). 2020. Trends in atmospheric carbon dioxide. <https://www.esrl.noaa.gov/gmd/ccgg/trends/>

Nolan, C. et al. 2018. Past and future global transformation of terrestrial ecosystems under climate change. *Science* 361:920–923.

Notestein, F.W. 1945. Population—The long view. In: Schultz, T.W., ed., *Food for the World*, Chicago: The University of Chicago Press, pp. 36–57.

Nuckolls, A.E. et al. 2009. Hemlock declines rapidly with hemlock woolly adelgid infestation: Impacts on the carbon cycle of Southern Appalachian forests. *Ecosystems* 12:179–190.

Nunn, N. 2009. The importance of history for economic development. *Annual Review of Economics* 1:65–92.

NYC Planning. 2017. NYC's Foreign-born, 2000 to 2015. <http://www1.nyc.gov/assets/planning/download/pdf/about/dcp-priorities/data-expertise/nyc-foreign-born-info-brief.pdf?r=1>

Ó Gráda, C. 2010. *Famine: A Short History*. Princeton, NJ: Princeton University Press.

Odum, H.T. 1971. *Environment, Power, and Society*. New York: Wiley-Interscience.

Odum, H.T. 1983. *Systems Ecology*. New York: John Wiley.

OECD (Organisation for Economic Cooperation and Development). 2013. *Economic Globalisation: Origins and Consequences*. Paris: OECD.

OECD. 2018a. *World Energy Balances*. Paris: OECD.

OECD. 2018b. GDP long-term forecast. <https://data.oecd.org/gdp/gdp-long-term-forecast.htm>

Oeppen, J. and J.W. Vaupel. 2002. Broken limits to life expectancy. *Science* 296:1029–1031.

Ogden, C.L. et al. 2012. Prevalence of obesity and trends in body mass index among US children and adolescents, 1999–2010. *Journal of the American Medical Association* 307:483–490.

Oh, J.H. et al. 2015. Analysis of circadian properties and healthy levels of blue light from smartphones at night. *Scientific Reports* 5:11325. doi: 10.1038/srep11325

OICA (International Organization of Motor Vehicle Manufacturers). 2019. International Organization of Motor Vehicle Manufacturers. <http://www.oica.net/category/production-statistics/2019-statistics/>

Okamoto, N. 2016. Quality of life and life satisfaction of displaced persons living in Tokyo, Japan—The Fukushima nuclear power plant accident. *Journal of General Practice* 4:1–3.

Okolski, M., ed. 2012. European Immigrations Trends, Structures and Policy Implications. Amsterdam: Amsterdam University Press.

Olmstead, A.L. and P.W. Rhode. 2001. Reshaping the landscape: The impact and diffusion of the tractor in American agriculture, 1910–1960. *The Journal of Economic History* 61:663–698.

Olmstead, A.L. and P.W. Rhode. 2008. Creating Abundance: Biological Innovation and American Agricultural Development. Cambridge: Cambridge University Press.

Olshansky, S.J. 2016. Measuring our narrow strip of life. *Nature* 538:175–176.

O'Neill, D.W. et al. 2018. A good life for all within planetary boundaries. *Nature Sustainability* 1:88–95.

Oreskes, N. and E. Conway. 2014. The Collapse of Western Civilization: A View from the Future. New York: Columbia University Press.

Oshio, T. and K. Oguro. 2013. Fiscal sustainability under an aging population in Japan: A financial market perspective *Public Policy Review* 9:735–750.

O'Sullivan, J.N. 2013. Revisiting demographic transition: Correlation and causation in the rate of development and fertility decline. Paper presented at the 27th IUSSP International Population Conference, 26–31 August 2013, Busan South Korea.

Otto, M.C.O. et al. 2018. Serial measures of circulating biomarkers of dairy fat and total and cause-specific mortality in older adults: The Cardiovascular Health Study. *American Journal of Clinical Nutrition* 108:1–9.

Otto, S.P. 2018. Adaptation, speciation and extinction in the Anthropocene. *Proceedings of the Royal Society B* 285: 20182047

Owen, R. 1861. Palaeontology, or, a Systematic Study of Extinct Animals and Their Geological Relations. Edinburgh: Adam and Charles Black.

참고 문헌 42

Pan, X. et al. 1997. Effects of diet and exercise in preventing NIDDM in people with impaired glucose tolerance: The Da Qing IGT and Diabetes Study. *Diabetes Care* 20:537–544.

Pan, Y. et al. 2011. A large and persistent carbon sink in the world's forests. *Science* 333:988–993.

Parcerisas, L. and J. Dupras. 2018. From mixed farming to intensive agriculture: Energy profiles of agriculture in Quebec, Canada, 1871–2011. *Regional Environmental Change* 19:1047–1057.

Parish, H.L. 2010. *Clerical Celibacy in the West, c 1100–1700*. Farnham, UK: Ashgate Publishing.

Parker, G. 1984. *The Thirty Years' War*. London: Routledge and Kegan Paul.

Parker, G. 1996. *The Military Revolution: Military Innovation and the Rise of the West, 1500–1800*. Cambridge: Cambridge University Press.

Parker, R.W.R. and P.H. Tyedmers. 2015. Fuel consumption of global fishing fleets: current understanding and knowledge gaps. *Fish and Fisheries* 16:684–696.

Pasinetti, L. 1981. *Structural Change and Economic Growth*. Cambridge: Cambridge University Press.

Pauly, D. 2009. Beyond duplicity and ignorance in global fisheries. *Scientia Marina* 73:215–224.

Pellenc. 2019. A new vision of wine growing. <https://pellenc.com/agri/?lang=en>

Peng, S. et al. 2011. Surface urban heat island across 419 global big cities. *Environmental Science & Technology* 46:696–703.

Pepperl + Fuchs. 2018. Berry picking at its best with sensor technology. <https://www.pepperl-fuchs.com/canada/en/27566.htm>

Perren, R. 1985. The retail and wholesale meat trade 1880–1939. In: D.J. Oddy and D.S. Miller, eds., *Diet and Health in Modern Britain*, London: Croom Helm, pp. 46–65.

Perrot, M. and R-H. Guerrand. 1990. Scenes and places. In: *A History of Private Life*, vol. IV, M. Perrot, ed., Cambridge, MA, The Belknap Press, pp. 339–449.

Peters, W. et al. 2018. Increased water-use efficiency and reduced CO₂ uptake by plants during droughts at a continental-scale. *Nature Geoscience* 11:744–748.

Pew Research Center. 2015. *Americans' Internet Access: 2000–2015*. <http://www.pewinternet.org/2015/06/26/americans-internet-access-2000-2015/>

참고 문헌 43

Pew Research Center. 2018. Book Reading. http://www.pewresearch.org/wp-content/uploads/2018/03/PewResearchCenter_BookReading_030818_Methods-Topline.pdf

Philips, A.F. 2020. 20 mishaps that might have started accidental nuclear war. <http://nuclearfiles.org/menu/key-issues/nuclear-weapons/issues/accidents/20-mishaps-maybe-caused-nuclear-war.htm>

Piao, S. et al. 2009. The carbon balance of terrestrial ecosystems in China. *Nature* 458:1009–1013.

Pichard, P. and F. Lagirarde, eds. 2014. *The Buddhist Monastery: A Cross-Cultural Survey*. Chiang Mai: Silkworm Books.

Piers, L.S. and P.S. Shetty. 1993. Basal metabolic rates of Indian women. *European Journal of Clinical Nutrition* 47:586–591.

Piketty, T. 2014. *Capital in the Twenty-First Century*. Cambridge: Harvard University Press.

Pimm, S.L. et al. 2014. The biodiversity of species and their rates of extinction, distribution, and protection. *Science* 344. doi: 10.1126/science.1246752

Pinker, S. 2011. *The Better Angels of Our Nature*. New York: Penguin Books.

Pinker, S. 2018. *Enlightenment Now: The Case for Reason, Science, Humanism, and Progress*. New York: Viking.

Pioneer. 2017. Corn seeding rate considerations. <https://www.pioneer.com/home/site/us/agronomy/library/corn-seeding-rate-considerations>

Piringer, G. and L.J. Steinberg. 2006. Reevaluation of energy use in wheat production in the United States. *Journal of Industrial Ecology* 10:149–167.

Pistor, K. 2013. Towards a new transition economics. *Economics of Transition* 21:11–16.

Pohlman, J.W. et al. 2017. Enhanced CO₂ uptake at a shallow Arctic Ocean seep field overwhelms the positive warming potential of emitted methane. *Proceedings of the National Academy of Sciences* 114:5355–5360.

Pollard, S. 1980. A new estimate of British coal production, 1750–1850. *Economic History Review* 33:212–235.

Pomeranz, K. 2000. *The Great Divergence: China, Europe, and the Making of the Modern World Economy*. Princeton, NJ: Princeton University Press.

참고 문헌 44

Potter, C. et al. 2005. Variability in terrestrial carbon sinks over two decades: Part 2—Eurasia. *Global and Planetary Change* 49:177–186.

Poushter, J. 2015. Car, bike or motorcycle? Depends on where you live. Washington, DC: Pew Research Center. <http://assets.pewresearch.org/wp-content/uploads/sites/2/2015/04/Transportation-Topline.pdf>

Prajapati, H.R. and I. Dutta. 2014. Future of Indian agriculture prospects and challenges. *Agricultural Situation in India* 2014(9):5–17.

Prodöhl, I. 2009. "Miracle Bean": How soy conquered the West. Washington, DC: German Historical Institute. https://www.ghi-dc.org/fileadmin/user_upload/GHI_Washington/Publications/Bulletin46/111.pdf

Prost, A. 1991. Public and private spheres in France. In: A History of Private Life, vol. V, Antoine Prost and Gérard Vincent, eds., Cambridge, MA, The Belknap Press, pp. 1–103.

Pushkina, D. and P. Raia. 2007. Human influence on distribution and extinctions of the late Pleistocene Eurasian megafauna. *Journal of Human Evolution* 54:769–782.

Quinn, J.C. and N.C. Vella. 2018. The Punic Mediterranean: Identities and Identification from Phoenician Settlement to Roman Rule. Cambridge: Cambridge University Press.

Rakotoarisoa, M.A. et al. 2012. Why Has Africa Become a Net Food Importer? Rome: FAO.

Ramankutty, N. and J.A. Foley. 1999. Estimating historical changes in global land cover: Croplands from 1700 to 1992. *Global Biogeochemical Cycles* 13:997–1027.

Ramankutty, N. et al. 2008. Farming the planet: 1. Geographic distribution of global agricultural lands in the year 2000. *Global Biogeochemical Cycles* 22:1–19.

Ramírez, A.R. 2005. Monitoring Energy Efficiency in the Food Industry. Utrecht: Universiteit Utrecht.

Rasmussen, W., ed. 1975. Agriculture in the United States: A Documentary History. New York: Random House.

Rea, M.S. 2000. Light—much more than vision. https://www.researchgate.net/publication/228592120_Light-much_more_than_vision

Redfield, A.C. 1934. In: James Johnstone Memorial Volume, R.J. Daniel, ed., Liverpool University of Liverpool Press, pp. 177–192.

참고 문헌 45

Rees, M.K. 1983. Cholesterol and the heart: Will we act too late to lead? *Modern Medicine of Canada* 36:21–23.

Rees, W.E. 1992. Ecological footprints and appropriated carrying capacity. *Environment and Urbanization* 4:120–130.

Reeves, R. 2017. *Dream Horders: How the American Upper Middle Class Is Leaving Everyone Else in the Dust, Why That Is a Problem, and What to Do About It*. Washington, DC: Brookings Institution Press.

Reher, D.S. 2004. The demographic transition revisited as a global process. *Population Space and Place* 10:19–41.

Reich, P.B. et al. 2018. Unexpected reversal of C3 versus C4 grass response to elevated CO₂ during a 20-year field experiment. *Science* 360:317 (2018).

Ricepedia. 2018. Rice as food. <http://ricepedia.org/rice-as-food>

Richards, J.F. 1990. Land Transformation. In: B.L. Turner et al., eds., *The Earth as Transformed by Human Action*, New York: Cambridge University Press, pp. 163–178.

Riddle, J.M. 1992. *Contraception and Abortion from the Ancient World to the Renaissance*. Cambridge, MA: Harvard University Press.

Rignot, E. et al. 2018. Four decades of Antarctic Ice Sheet mass balance from 1979–2017. *Proceedings of the National Academy of Sciences* www.pnas.org/cgi/doi/10.1073/pnas.1812883116

Rizvi, S. et al. 2018. Global land use implications of dietary trends. *PLoS ONE* 13(8): e0200781. <https://doi.org/10.1371/journal.pone.0200781>

Robert, L. et al. 2008. Rapid increase in human life expectancy: Will it soon be limited by the aging of elastin? *Biogerontology* 9:119–133.

Roche, D. 2000. *A History of Everyday Things*. Cambridge: Cambridge University Press.

Rochman, C.M. 2018. Microplastics research— from sink to source. *Science* 360:28–29.

Rockström, J. et al. 2009. A safe operating space for humanity. *Nature* 461:472–475.

Rodgers, W.L. 1939. *Naval Warfare under Oars, 4th to 16th Centuries: A Study of Strategy, Tactics and Ship Design*. Bethesda, MD: United States Naval Institute Press.

Rodrigue, J-P. 2017. *The Geography of Transport Systems*. New York: Routledge.

참고 문헌 46

Roess, R.P. and G. Sansone. 2013. *The Wheels That Drove New York: A History of the New York City Transit System*. Berlin: Springer.

Rojstaczer, S. et al. 2001. Human appropriation of photosynthesis products. *Science* 294:2549–2552.

Roosevelt, A.C. 2013. The Amazon and the Anthropocene: 13,000 years of human influence. *Anthropocene* 4:69–87.

Rosen, E. 2019. The 2019 list of the longest flights in the world. <https://www.forbes.com/sites/ericosen/2019/01/02/the-2019-list-of-the-longest-flights-in-the-world/#3f371c27550b>

Rosen, W. 2010. *The Most Powerful Idea in the World*. Chicago: The University of Chicago Press.

Rosling, H. 2018. *Factfulness*. New York: Flatiron Books.

Rostow, W. 1960. *The Stages of Economic Growth: A Non-Communist Manifesto*. Cambridge: Cambridge University Press.

Rostow, W.W. 1971. *Politics and the Stages of Growth*. Cambridge: Cambridge University Press.

Rousseau, J-J.C.E. 1782. *Les rêveries du promeneur solitaire*. C.R. Butterworth translation: *Reveries of Solitary Walker*, Indianapolis, IN: Hackett Publishing (1992).

Ruddiman, W.F. 2005. *Plows, Plagues & Petroleum: How Humans Took Control of Climate*. Princeton, NJ: Princeton University Press.

Ruddiman, W. 2017. Geographic evidence of the early anthropogenic hypothesis. *Anthropocene* 20:4–14.

Saga, J. 1987. *Memories of Silk and Straw: A Self-Portrait of Small-Town Japan*. Tōkyō: Kōdansha International.

Sánchez-Bayoa, F. and K.A.G. Wyckhuys. 2019. Worldwide decline of the entomofauna: A review of its drivers. *Biological Conservation* 232:8–27.

Sandalwood Estates. 2018. Sandalwood Estates. <http://www.fscarchitects.com/assets/downloads/Sandalwood-Estates.pdf>

Sapkota, A.R. et al. 2007. What do we feed to food-producing animals? A review of animal feed ingredients and their potential impacts on human health. *Environmental Health Perspectives* 115:663–668.

참고 문헌 47

Saugier, B. et al. 2001. Estimations of global terrestrial productivity: Converging toward a single number? In: J. Roy, B. Saugier, and H.A. Mooney, eds. 2001. *Terrestrial Global Productivity*, San Diego: Academic Press, pp. 543–557.

SB (Statistics Bureau). 2006. Stature by age and sex. <http://www.stat.go.jp/english/data/chouki/24.htm>

SB. 2020. Japan Statistical Yearbook. Tokyo: SB. <http://www.stat.go.jp/english/data/nenkan/index.html>

Schama, S. 1997. *The Embarrassment of Riches: An Interpretation of Dutch Culture in the Golden Age*. New York: Vintage.

Schill, S.R. 2018. Zero to 10 million in 5 years. Ethanol Producer June 2018 <http://ethanolproducer.com/articles/15344/zero-to-10-million-in-5-years#:~:text=Giving%20a%20low%2Fhigh%20range%20of%203.9%20million%20to,the%20Brazilian%20plants%20and%20potential%20new%20Edeniq%20producers>.

Schlebusch, C.M. et al. 2017. Southern African ancient genomes estimate modern human divergence to 350,000 to 260,000 years ago. *Science* 358:652–655.

Schlegel, N-J. et al. 2018. Exploration of Antarctic ice sheet: 100-year contribution to sea level rise and associated model uncertainties using the ISSM framework. *The Cryosphere* 12:3511–3534.

Schlüter, O. 1952. *Die Siedlungsräume Mitteleuropas in frühgeschichtlicher Zeit: Part 1—Forschungen zur deutschen Landeskunde*. Hamburg: Atlantik Verlag.

Schmidtko, S. et al. 2017. Decline in global oceanic oxygen content during the past five decades. *Nature* 542:335–339.

Schnepf, R. 2011. U.S. Livestock and Poultry Feed Use and Availability: Background and Emerging Issues. Washington, DC: Congressional Research Service.

Schröder, P. et al. 2016. Status of hormones and painkillers in wastewater effluents across several European states—considerations for the EU watch list concerning estadiols and diclofenac. *Environmental Science and Pollution Research* 23:12835–12866.

Schultz, T.W. 1953. *The Economic Organization of Agriculture*. New York: McGraw-Hill.

Schurr, E.A. et al. 2015. Climate change and the permafrost carbon feedback. *Nature* 520:171–179.

참고 문헌 48

Schurr, S.H. 1984. Energy use, technological change, and productive efficiency. *Annual Review of Energy* 9:409–425.

Schurr, S.H. and B.C. Netschert. 1960. *Energy in the American Economy 1850–1975*. Baltimore, MD: Johns Hopkins University Press.

Schüwer, D. and C. Schneider. 2018. Electrification of industrial process heat: Long-term applications, potentials and impacts. *ECEE Industrial Summary Study Proceedings* 411–422. https://epub.wupperinst.org/frontdoor/deliver/index/docId/7037/file/7037_Schuewer.pdf

Schwab, K. 2016. The Fourth Industrial Revolution: What it means, how to respond. *World Economic Forum* January 14, 2016. <https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/>

Seagate. 2017. Data Age 2025: The Evolution of Data to Life-Critical. <https://blog.seagate.com/business/data-becomes-life-critical-a-fundamental-change-transforming-the-way-we-live/>

Searchinger, T. et al. 2018. *Creating a Sustainable Food Future*. Washington, DC: World Resources Institute.

Seckler, D. and M. Rock. 1995. *World Population Growth and Food Demand to 2050*. Morrilton, AK: Winrock International Institute for Agricultural Development.

Seidelmann, S.B. et al. 2018. Dietary carbohydrate intake and mortality: A prospective cohort study and meta-analysis. *Lancet Public Health* 3: e419–28 [http://dx.doi.org/10.1016/S2468-2667\(18\)30135-X](http://dx.doi.org/10.1016/S2468-2667(18)30135-X)

Semba, R.D. 2012. The discovery of the vitamins. *International Journal for Vitamin and Nutrition Research* 82:310–315.

Sen, A. 1981. *Poverty and Famines: An Essay on Entitlement and Deprivation*. Oxford: Oxford University Press.

Shackleton, R. 2013. *Total Factor Productivity Growth in Historical Perspective*. Washington, DC: Congressional Budget Office.

Shawe-Taylor, D. and Q. Buvelot. 2015. *Masters of the Everyday: Dutch Artists in the Age of Vermeer*. London: Royal Collection Trust.

Sherlock, R.L. 1922. *Man as a Geological Agent: An Account of His Actions on Inanimate Nature*. London: H.F. and G. Witherby.

Shierholz, H. 2013. Low Wages and Scant Benefits Leave Many In-home Workers Unable to Make Ends Meet. Washington, DC: Economic Policy Institute.

Siebert, S. et al. 2010. Global patterns of cropland use intensity. *Remote Sensing* 2:1625–1643.

Sieferle, R.P. 2001. *The Subterranean Forest: Energy Systems and the Industrial Revolution*. Cambridge: The White Horse Press.

Siegel, K.R. et al. 2018. Prevalence of major behavioral risk factors for type 2 diabetes. *Diabetes Care* 41:1032–1039.

Singh, G.K. and P.C. van Dyck. 2010. *Infant Mortality in the United States, 1935–2007: Over Seven Decades of Progress and Disparities*. Rockville, MD: U. S. Department of Health and Human Services.

Sivak, M. 2017. Has Motorization in the U.S. Peaked? Ann Arbor: University of Michigan.

Skole, D. and C. Tucker. 1993. Tropical deforestation and habitat fragmentation in the Amazon: Satellite data from 1978 to 1988. *Science* 260:1905–1909.

Smallwood, P. 2018. Lighting, LEDs and Smart Lighting Market Overview. https://www.energy.gov/sites/prod/files/2016/02/f29/smallwood_mktadoption_raleigh2016.pdf

Smil, V. 1987. *Energy Food Environment*. Oxford: Oxford University Pres.

Smil, V. 1989. Coronary heart disease, diet, and Western mortality. *Population and Development Review* 15:399–424.

Smil, V. 1994. *Energy in World History*. Boulder, CO: Westview Press.

Smil, V. 1995. Who will feed China? *The China Quarterly* 143:801–813.

Smil, V. 1997. *Cycles of Life*. New York: Scientific American Library.

Smil, V. 2000a. *Feeding the World*. Cambridge, MA: MIT Press.

Smil, V. 2000b. Phosphorus in the environment: Natural flows and human interferences. *Annual Review of Energy and the Environment* 25:53–88.

Smil, V. 2001. *Enriching the Earth*. Cambridge, MA: MIT Press.

Smil, V. 2002. *The Earth's Biosphere*. Cambridge, MA: MIT Press.

Smil, V. 2003. *Energy at the Crossroads*. Cambridge, MA: MIT Press.

참고 문헌 50

Smil, V. 2004. *China's Past, China's Future*. London: Routledge.

Smil, V. 2005. *Creating the Twentieth Century*. New York: Oxford University Press.

Smil, V. 2006. *Transforming the Twentieth Century*. New York: Oxford University Press.

Smil, V. 2008a. *Global Catastrophes and Trends*. Cambridge, MA: MIT Press.

Smil, V. 2008b. *Energy in Nature and Society*. Cambridge, MA: MIT Press.

Smil, V. 2010a. *Prime Movers of Globalization*. Cambridge, MA: MIT Press.

Smil, V. 2011. Nitrogen cycle and world food production. *World Agriculture* 2:9–13.

Smil, V. 2013a. *Harvesting the Biosphere*. Cambridge, MA: MIT Press.

Smil, V. 2013b. *Should We Eat Meat?* Chichester, UK: Wiley.

Smil, V. 2013c. *Made in the USA*. Cambridge, MA: MIT Press.

Smil, V. 2013d. Reducing the carbon and sulfur load of the atmosphere. *GAIA* 22(4):255–262.

Smil, V. 2014. *Making the Modern World*. Chichester, UK: John Wiley & Sons.

Smil, V. 2015a. *Natural Gas*. Chichester, UK: John Wiley & Sons.

Smil, V. 2015b. *Power Density*. Cambridge, MA: MIT Press.

Smil, V. 2016a. *Still the Iron Age*. Oxford: Elsevier.

Smil, V. 2016b. Embodied energy: Mobile devices and cars. *IEEE Spectrum* May 2016:26.

Smil, V. 2016c. Examining energy transitions: A dozen insights based on performance. *Energy Research & Social Science* 22:194–197.

Smil, V. 2017a. *Energy and Civilization: A History*. Cambridge, MA: MIT Press.

Smil, V. 2017b. *Energy Transitions*. Santa Barbara, CA: Praeger.

Smil, V. 2017c. Electric vehicles—Not so fast. *IEEE Spectrum* December 2017:24.

Smil, V. 2018. April 1838: Crossing the Atlantic. *Spectrum* April 2018:23.

Smil, V. 2019a. *Growth*. Cambridge, MA: MIT Press.

Smil, V. 2019b. Electric container ships are a hard sail. *IEEE Spectrum* March 2019:22.

Smil, V. 2020. *Numbers Don't Lie*. London: Viking.

참고 문헌 51

Smil, V. and K. Kobayashi. 2011. *Japan's Dietary Transition*. Cambridge, MA: MIT Press.

Smoothie King. 2018. The Hulk Strawberry™. <https://www.smoothieking.com/menu/smoothies/fitness-blends/the-hulk-strawberry>

Solow, R.M. 1957. Technical change and the aggregate production. *Review of Economics and Statistics* 39:313–320.

Solow, R.M. 1987. Growth theory and after. The Nobel Prize Lecture. <https://www.nobelprize.org/prizes/economic-sciences/1987/solow/lecture/>

Solt, F. 2018. The Standardized World Income Inequality Database. <https://fsolt.org/swiid/>

Sombart, W. 1913. *Luxus und Kapitalismus*. München: Duncker & Humblot.

Sombroek, W.G. 1966. *Amazonian Soils. A Reconnaissance of the Soils of the Brazilian Amazon Region*. Wageningen: The Netherlands: Centre for Agricultural Publication and Documentation.

Sørensen, C.G. et al. 2014. Energy inputs and GHG emissions of tillage systems. *Bio-systems Engineering* 120:2–14.

Soto-Estrada, G. et al. 2018. Trends in frequency of type 2 diabetes in Mexico and its relationship to dietary patterns and contextual factors. *Gaceta Sanitaria* 32:283–290.

South, P.F. et al. 2019. Synthetic glycolate metabolism pathways stimulate crop growth and productivity in the field. *Science* 363:1–9.

Spellman, F. 2003. *Handbook of Water and Wastewater Treatment Plant Operations*. Boca Raton, FL: CRC Press.

Sposi, M. and V. Grossman. 2014. Deindustrialization redeploys workers to growing service sector. *Economic Letter* 9(11):1–4. <https://www.dallasfed.org/~/media/documents/research/eclett/2014/el1411.pdf>

Spratt, D. and I. Dunlop. 2019. *Existential Climate-Related Security Risk: A Scenario Approach*. Melbourne: National Centre for Climate Restoration.

Springman, M. et al. 2018. Options for keeping the food system within environmental limits. *Nature* 562:519–525.

Steensland, A. and M. Zeigler. 2017. *Global Agricultural Productivity Report*. Washington, DC: Global Harvest Initiative.

참고 문헌 52

Steffen, W. et al. 2015a. The trajectory of the Anthropocene: The Great Acceleration. *The Anthropocene Review* 2:81–98.

Steffen et al. 2015b. Planetary Boundaries: Guiding human development on a changing planet. *Science* 347(6223):1259855.

Stein, Z., ed. 1975. *Famine and Human Development: The Dutch Hunger Winter of 1944–1945*. Oxford: Oxford University Press.

Stenoien, C. et al. 2018. Monarchs in decline: A collateral landscape-level effect of modern agriculture. *Insect Science* 25:528–541.

Stiglitz et al. 2010. *Mis-Measuring Our Lives: Why GDP Doesn't Add Up*. New York: The New Press.

Stiner, M.C. et al. 2009. Cooperative hunting and meat sharing 400–200 kya at Qesem cave, Israel. *Proceedings of the National Academy of Sciences* 106:13207–13212.

Stockhuyzen, F. 1963. *The Dutch Windmill*. New York: Universe Books.

Stone, C. et al. 2017. *A Guide to Statistics on Historical Trends in Income Inequality*. Washington, DC: Center on Budget and Policy Priorities. <https://www.cbpp.org/research/poverty-and-inequality/a-guide-to-statistics-on-historical-trends-in-income-inequality>

Stopford, M. 2009. *Maritime Economics*. London: Routledge.

Strauss, L.L. 1954. Speech to the National Association of Science Writers, New York City, September 16, 1954. *New York Times* September 17, 1954, p. 5.

Suarez, F.L. and D.A. Savaiano. 1997. Diet, genetics, and lactose intolerance. *Food Technology* 51:74–76.

Sullivan, F. and F. Winkowski. 1995. *Trolleycars: Streetcars, Trams, and Trolleys of North America: A Photographic History*. Osceola, WI: Motorbooks International.

Sullivan, R.J. 1990. The revolution of ideas: Widespread patenting and invention during the English Industrial Revolution. *The Journal of Economic History* 50:349–362.

Szreter, S. 1993. The idea of demographic transition and the study of fertility change: A critical intellectual history. *Population and Development Review* 19:659–701.

Takahashi, E. 1984. Secular trend in milk consumption and growth in Japan. *Human Biology* 56:427–437.

참고 문헌 53

Tamason, C.C. et al. 2016. Measuring domestic water use: A systematic review. *Tropical Medicine and International Health* 21:1389–1402.

Tao, B. et al. 2007. Spatial pattern of terrestrial net ecosystem productivity in China during 1981–2000. *Science in China Series D: Earth Sciences* 50:745–753.

Tepper, A. and K.J. Borowiecki. 2015. Accounting for breakout in Britain: The industrial Revolution through a Malthusian lens. *Journal of Macroeconomics* 44:219–233.

Thompson, W. 1929. Population. *American Journal of Sociology* 34:959–975.

Timmer, M. et al. 2014. Patterns of Structural Change in Developing Countries. Groningen: Groningen Growth and Development Centre, Faculty of Economics and Business, University of Groningen.

TMG (Tokyo Metropolitan Government). 2019. Wholesale prices at Toyosu wholesale market. https://www.st.nmfs.noaa.gov/st1/market_news/japan-wholesale.txt

Toulemon, L. 1988. Historical overview of fertility and age. *Maturitas Supplement* 1:5–14.

Touraud, E. et al. 2011. Drug residues and endocrine disruptors in drinking water: Risk for humans? *International Journal of Hygiene and Environmental Health* 214:437–442.

Tracy, D. 2017. GM once built these fascinating coal-powered turbine cars. <https://jalopnik.com/gm-once-built-these-fascinating-coal-powered-turbine-ca-1791842557>

Trading Economics. 2018. Country List Government Debt to GDP. <https://tradingeconomics.com/country-list/government-debt-to-gdp>

Trew, A. 2014. Spatial takeoff in the first industrial revolution. *Review of Economic Dynamics* 17:707–725.

Trust for America's Health. 2017. State of Obesity: Better Policies for a Healthier America. <https://www.tfah.org/report-details/the-state-of-obesity-2017/>

Truswell, A.S. 1987. Evolution of dietary recommendations, goals, and guidelines. *American Journal of Clinical Nutrition* 45(5 Supplement):1060–1072.

Tsao, J.Y. et al. 2018. The electrification of energy: Long-term trends and opportunities. *MRS Energy & Sustainability: A Review Journal*. doi: 10.1557/mre.2018.6

Tuomilehto J. et al. 2001. Prevention of type 2 diabetes mellitus by changes in lifestyle among subjects with impaired glucose tolerance. *New England Journal of Medicine* 344:1343–1350.

참고 문헌 54

Turner, J. et al. 2005. The Welfare of Broiler Chickens in the European Union. Petersfield, UK: Compassion in World Farming Trust. http://www.ciwf.org.uk/includes/documents/cm_docs/2008/w/welfare_of_broilers_in_the_eu_2005.pdf

Tyndall, J. 1861. The Bakerian Lecture: On the absorption and radiation of heat by gases and vapours, and on the physical connexion of radiation, absorption, and conduction. *Philosophical Transactions of the Royal Society of London* 151:1–36.

UN (United Nations). 1969. *Growth of the World's Urban and Rural Population, 1920–2000*. New York: UN.

UN. 1976. *World Energy Supplies 1950–1974*. New York: UN.

UN. 1992. United Nations Framework Convention on Climate Change. <https://unfccc.int/resource/docs/convkp/conveng.pdf>

UN. 2015. Report of the Conference of the Parties on its twenty-first session, held in Paris from 30 November to 13 December 2015. <https://unfccc.int/sites/default/files/resource/docs/2015/cop21/eng/10a01.pdf>

UN. 2016. The World's Cities in 2016. http://www.un.org/en/development/desa/population/publications/pdf/urbanization/the_worlds_cities_in_2016_data_booklet.pdf

UN. 2017a. World Fertility Report 2015. New York: UN. <http://www.un.org/en/development/desa/population/publications/pdf/fertility/wfr2015/worldFertilityReport2015.pdf>

UN. 2017b. World Population Prospects: The 2017 Revision. New York: UN. <https://www.un.org/development/desa/publications/world-population-prospects-the-2017-revision.html>

UN. 2019a. Energy Statistics Database. <https://unstats.un.org/unsd/energy/edbase.htm>

UN. 2019b. Only 11 years left to prevent irreversible damage from climate change, speakers warn during General Assembly high-level meeting. <https://www.un.org/press/en/2019/ga12131.doc.htm>

UN. 2019c. The 2019 Revision of World Population Prospects. New York: UN. <https://population.un.org/wpp/>

UNDP (United Nations Development Programme). 2018. Human Development Index (HDI). <http://hdr.undp.org/en/content/human-development-index-hdi>

Unger, R. 1984. Energy sources for the Dutch Golden Age. *Research in Economic History* 9:221–253.

참고 문헌 55

Unger, T.A. 1996. Pesticide Synthesis Handbook. Park Ridge, NJ: Noyes Publications.

UNHCR (United Nations High Commission for Refugees). 2019. Global Trends: Forced Displacement in 2018. Geneva: UNHCR. <https://www.unhcr.org/globaltrends2018/>

Urquhart, M. 1984. The employment shift to services: Where it did come from? *Monthly Labor Review* April 1984:15–22.

USAID (United States Agency for International Development). 2010. Desired Number of Children: 2000–2008. <https://dhsprogram.com/pubs/pdf/CR25/CR25.pdf>

USBC (United States Bureau of Census). 1975. Historical Statistics of the United States: Colonial Times to 1970. Washington, DC: USBC.

USBL (United States Bureau of Labor). 2006. 100 Years of U.S. Consumer Spending Data for the Nation, New York City, and Boston. Washington, DC: USBL.

USCB (United States Census Bureau). 2018. 1997 NAICS. https://www.census.gov/eos/www/naics/reference_files_tools/1997/sec51.htm

USCO (United States Census Office). 1902. Twelfth Census of the United States Taken in the Year 1900: Agriculture. Washington, DC: USCO. <http://usda.mannlib.cornell.edu/usda/AgCensusImages/1900/05/01/1835/33398096v5.pdf>

USDA (US Department of Agriculture). 2000. 2000 Agricultural Statistics Annual. https://www.nass.usda.gov/Publications/Ag_Statistics/2000/index.php

USDA. 2013. 2013 Farm and Ranch Irrigation Survey. https://www.agcensus.usda.gov/Publications/2012/Online_Resources/Farm_and_Ranch_Irrigation_Survey/

USDA. 2015. Forests of Massachusetts, 2015. Amherst, MA: USDA.

USDA. 2017. 2016 Agricultural Statistics Annual. https://www.nass.usda.gov/Publications/Ag_Statistics/2016/index.php

USDA. 2018a. Agricultural Statistics 2017. Washington, DC: USDA. https://www.nass.usda.gov/Publications/Ag_Statistics/2017/Complete%20Ag%20Stats%202017.pdf

USDA. 2018b. Food Availability (Per Capita) Data System. <https://www.ers.usda.gov/data-products/food-availability-per-capita-data-system/>

USDL (United States Department of Labor). 2019. Labor force statistics. <https://www.bls.gov/cps/cpsaat18.htm>

USDOE. 2016. Alternative Fuels Data Center. <https://afdc.energy.gov/data/>

참고 문헌 56

USEIA. 2018a. Refinery net production. https://www.eia.gov/dnav/pet/pet_pnp_refp2_dc_nus_mbbl_m.htm

USEIA. 2018b. How much ethanol is in gasoline, and how does it affect fuel economy? <https://www.eia.gov/tools/faqs/faq.php?id=27&t=10>

USEIA. 2019. Primary energy consumption by source. https://www.eia.gov/totalenergy/data/monthly/pdf/sec1_7.pdf

USEPA (United States Environmental Protection Agency). 2018. Plastics: Material-Specific Data. <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/plastics-material-specific-data>

USGS (United States Geological Service). 2018. Mineral commodity summaries 2018. <https://pubs.er.usgs.gov/publication/70194932>

Van Boeckel, T.P. et al. 2015. Global trends in antimicrobial use in food animals. *Proceedings of the National Academy of Sciences* 112:5649–5654.

Van Deynze, A. et al. 2018. Nitrogen fixation in a landrace of maize is supported by a mucilage-associated diazotrophic microbiota. *PLOS Biology* 16(8): e2006352. <https://doi.org/10.1371/journal.pbio.2006352>

Van Epps, A. and L. Blane. 2016. Antibiotic residues in animal waste: Occurrence and degradation in conventional agricultural waste management practices. *Current Pollution Reports* 2:135–155.

van Leeuwen, B. and J.L. van Zanden. 2009. The origins of “modern economic growth”? Holland between 1500 and 1800 (with an addendum on the years 1348–1500). <http://www.basvanleeuwen.net/bestanden/VanZandenVanLeeuwen21July2009Conference.pdf>

van Leeuwen, B. and J. van Leeuwen-Li. 2014. Education since 1820. In: J.L. van Zanden et al., eds., *How Was Life? Global Well-Being since 1820*, Paris: OECD, pp. 87–100.

Van Norman, H.E. 1912. Rural conveniences. *The Annals of the American Academy of Political and Social Science* 40:163–167.

Van Poppel, F. et al. 2012. Mortality decline and reproductive change during the Dutch demographic transition: Revisiting a traditional debate with new data. *Demographic Research* 27:299–338.

참고 문헌 57

Van Poppel, F. et al. 2013. Demographic transitions and changes in the living arrangements of children: The Netherlands 1850–2010. *Population Research and Policy Review* 32:243–260.

Venter, O. et al. 2016. Sixteen years of change in the global terrestrial human footprint and implications for biodiversity conservation. *Nature Communications* 7:12558. doi: 10.1038/ncomms12558

Ventola, C.L. 2015. The antibiotic resistance crisis. *Pharmacy & Therapeutics* 40:277–283.

Vernadskii, V.I. 1926. Biosfera. Leningrad: Nauchnoe khimiko-tehnicheskoye izdatel'stvo.

Viazzo, P.P. and C.A. Corsini. 1993. The Decline of Infant Mortality in Europe, 1800–1950: Four National Case Studies. Firenze: UNICEF.

Vitousek, P.M. et al. 1986. Human appropriation of the products of photosynthesis. *BioScience* 36:368–373.

von Foerster, H. et al. 1960. Doomsday: Friday, 13 November, A.D. 2026. *Science* 132:1291–1295.

von Tunzelmann, G.N. 1978. Steam Power and British Industrialization to 1860. Oxford: Clarendon Press.

Vörösmarty, C.J. et al. 1997. The storage and aging of continental runoff in large reservoir systems of the world. *Ambio* 26:210–219.

Wallace-Wells, D. 2019. The Uninhabitable Earth: Life After Warming. New York: Tim Duggan Books.

Walz, W. and H. Niemann. 1997. Daimler-Benz: Wo das Auto anfing. Konstanz: Verlag Stadler.

Warde, P. 2007. Energy Consumption in England and Wales, 1560–2004. Naples: Consiglio Nazionale della Ricerca.

Watson, J.E.M. et al. 2016. Catastrophic declines in wilderness area undermine global environmental targets. *Current Biology*. <http://dx.doi.org/10.1016/j.cub.2016.08.049>

Watson, J.E.M. et al. 2018. Protect the last of the wild. *Nature* 563:27–30.

Watson Institute. 2018. Cost of War. <https://watson.brown.edu/costsofwar/papers/summary>

참고 문헌 58

WCED (World Commission on Environment and Development). 1987. Report of the World Commission on Environment and Development: Our Common Future. <http://www.un-documents.net/our-common-future.pdf>

Webster, C.R. et al. 2007. Invasion biology and control of invasive wooden plants in eastern forests. *Native Plants Journal* 8:97–106.

WEF (World Economic Forum). 2018. The Inclusive Development Index 2018. http://www3.weforum.org/docs/WEF_Forum_IncGrwth_2018.pdf

WEF. 2019. The Global Risks Report 2020. http://www3.weforum.org/docs/WEF_Global_Risk_Report_2020.pdf

Weitzman, M.L. 1993. Economic transition: Can theory help? *European Economic Review* 37:549–555.

Weng, X. and B. Caballero. 2007. Obesity and Its Related Diseases in China: The Impact of the Nutrition Transition in Urban and Rural Adults. Youngstown, NY: Cambria Press.

West, G. 2017. Scale: The Universal Laws of Growth, Innovation, Sustainability, And the Pace of Life, in Organisms, Cities, Economies, and Companies. New York: Penguin.

WHO (World Health Organization). 2017. World Health Statistics 2017: Monitoring Health for the SDGs. https://www.who.int/gho/publications/world_health_statistics/2017/en/

WHO. 2018a. Life expectancy. http://www.who.int/gho/mortality_burden_disease/life_tables/en/

WHO. 2018b. Household air pollution from cooking, heating and lighting. <http://www.who.int/sustainable-development/housing/health-risks/household-air-pollution/en/>

WHO. 2018c. Antibiotic resistance. <http://www.who.int/news-room/fact-sheets/detail/antibiotic-resistance>

Wicherek, S., ed. 1993. Farm Land Erosion. Amsterdam: Elsevier.

Wilkinson, B.H. 2005. Humans as geologic agents: A deep-time perspective. *Geology* 33:161–164.

Wilkinson, B.H. and B.J. McElroy. 2007. The impact of humans on continental erosion and sedimentation. *Geological Society of America Bulletin* 119:140–156.

참고 문헌 59

Willekens, F. 2014. Demographic Transitions in Europe and the World. Rostock: Max Planck Institute for Demographic Research.

Willett, W. et al. 2019. Food in the Anthropocene: The EAT–Lancet Commission on healthy diets from sustainable food systems. *Lancet* 393:447–492.

Williams, M. 1982. Great Tractors. Poole, UK: Blandford Press.

Williams, M. 2003. Deforesting the Earth: From Prehistory to Global Crisis. Chicago: The University of Chicago Press.

Williams, M. et al. 2009. Environmental impact of the 73ka Toba super eruption in South Asia. *Palaeogeography Palaeoclimatology Palaeoecology* 284:295–314.

Willick, J. 2018. False dawn. RealClear Books August 3, 2018. https://www.realclearbooks.com/2018/08/03/false_dawn_steven_pinker_against_steven_pinker_16130.html

Winegarden, C.R. and J.E. Murray. 2004. Effects of early health-insurance programs on European mortality and fertility trends. *Social Science and Medicine* 580:1825–1836.

Wintle, M. 2000. An Economic and Social History of the Netherlands 1800–1920: Demographic, Economic and Social Transition. Cambridge: Cambridge University Press.

Woodbridge, R. et al. 2016. Atlas of Household Energy Consumption and Expenditure in India. Chennai: Centre for Development Finance.

Woodbury, P.B. et al. 2007. Carbon sequestration in the US forest sector from 1990 to 2010. *Forest Ecology and Management* 241:14–27.

Woodham-Smith, C. 1992. The Great Hunger: Ireland: 1845–1849. London: Penguin.

World Bank. 2019. DataBank. <http://databank.worldbank.org/data/home.aspx>

World Life Expectancy. 2018. World Life Expectancy. <https://www.worldlifeexpectancy.com/>

World Obesity. 2018. World obesity. <https://www.worldobesity.org/data/>

Worm, B. et al. 2005. Global patterns of predator diversity in the open oceans. *Science* 309:1365–1369.

Worm, B. et al. 2006. Impacts of biodiversity loss on ocean ecosystem services. *Science* 314:787–790.

WRAP. 2018. Household food waste: Restated data for 2007–2015. <http://www.wrap.org.uk/>

참고 문헌 60

org.uk/sites/files/wrap/Household%20food%20waste%20restated%20data%202007-2015.pdf

Wright, D.H. 1990. Human impacts on energy flow through natural ecosystems, and implications for species endangerment. *Ambio* 19:189–194.

Wright, H.R. and L. Lack. 2001. Effect of light wavelength on suppression and delay of the melatonin rhythm. *Chronobiology International* 18:801–808.

Wrigley, E.A. and R.S. Schofield. 1989. *The Population History of England 1541–1871*. Cambridge: Cambridge University Press.

WTO (World Tourism Organization). 2018. *2017 Annual Report*. Madrid: WTO.

WTO. 2019. *International Tourism Highlights 2019 Edition*. Madrid: WTO. <https://www.e-unwto.org/doi/epdf/10.18111/9789284421152>

Wu, H. et al. 2015. Association between dietary whole grain intake and risk of mortality: Two large prospective studies in US men and women. *JAMA Internal Medicine* 175:373–384.

Wu, H.X. 2016. Changes in the occupational structure of Chinese workforce in the course of China's industrialization and urbanization, 1912–1952. *Keizai Kenkyu (The Economic Review)* 67:47–68.

WWF (World Wildlife Fund). 2018a. The status of African elephants. *Loxodonta africana*. <https://www.worldwildlife.org/magazine/issues/winter-2018/articles/the-status-of-african-elephants>

WWF. 2018b. *Living Planet Report—2018: Aiming Higher*. Gland, Switzerland: WWF.

WWID (World Wealth and Income Data Base). 2017. *World Wealth and Income Data Base*. <http://wid.world/>

Xie, Y. and X. Zhou. 2014. Income inequality in today's China. *Proceedings of the National Academy of Sciences of the USA* 111:6928–6933.

Xinhua. 2018. Beijing launches point-based hukou system. http://www.xinhuanet.com/english/2018-04/11/c_137103450.htm

Xu, J. 2011. China's new forests aren't as green as they seem. *Nature* 477:371.

Yamanashi, H. et al. 2015. The association between living alone and frailty in a rural Japanese population: The Nagasaki Islands study. *Journal of Primary Health Care* 7:269–273.

참고 문헌 61

Yan, C. et al. 2014. Plastic-film mulch in Chinese agriculture: Importance and problem. *World Agriculture* 4(2):32–36.

Yang, J. 2012. *Tombstone: The Great Chinese Famine, 1958–1962*. New York: Farrar, Straus & Giroux.

Yonetani, M. 2017. *The Recovery Postponed: The Long-Term Plight of People Displaced by the 2011 Great East Japan Earthquake, Tsunami and Nuclear Radiation Disaster*. Geneva: Internal Displacement Monitoring Center.

Yoshida, Y. et al. 1975. Studies on the etiology of milk intolerance in Japanese adults. *Journal of Gastroenterology* 10:29–34.

Youngstedt, S.D. et al. 2016. Has adult sleep duration declined over the last 50+ years? *Sleep Medicine Reviews* 28:69–85.

Yu, A. et al. 2018. Life cycle environmental impacts and carbon emissions: A case study of electric and gasoline vehicles in China. *Transportation Research Part D* 65:409–420.

Yu, J. and J. Wu. 2018. The sustainability of agricultural development in China: The agriculture–environment nexus. *Sustainability* 10(6):1776. doi:10.3390/su10061776

Yu, X. et al. 2015. A review of China's rural water management. *Sustainability* 7:5773–5792.

Yuki, A. et al. 2016. Epidemiology of frailty in elderly Japanese. *Journal of Physical Fitness and Sports Medicine* 5:301–307.

Zak, N. 2018. Jeanne Calment: The secret of longevity. https://www.researchgate.net/publication/329773795_Jeanne_Calment_the_secret_of_longevity

Zalasiewicz, J. et al. 2016. The geological cycle of plastics as a stratigraphic indicator of the Anthropocene. *Anthropocene* 13:4–17.

Zalasiewicz, J. et al. 2017. The Working Group on the Anthropocene: Summary of evidence and interim recommendations. *Anthropocene* 19:55–60.

Zarfl, C. et al. 2011. Microplastics in oceans. *Marine Pollution Bulletin* 62(8):1589–1591.

Zarfl, C. et al. 2014. A global boom in hydropower dam construction. *Aquatic Sciences*. doi 10.1007/s00027-014-0377-

Zhang, B. 2015. China's economic transition syndrome. *China & World Economy* 23(3):59–78.

참고 문헌 62

Zhao, F. et al. 2015. Soil contamination in China: Current status and mitigation strategies. *Environmental Science & Technology* 49:750–759.

Zhao, L. et al. 2018. New trends in internal migration in China: Profiles of the new-generation migrants. *China & World Economy* 26:18–41.

Zhao, Z. 2006. Towards a better understanding of past fertility regimes: The ideas and practice of controlling family size in Chinese history. *Continuity and Change* 21:9–35.

Zhao, Z. and A. Reimonods. 2012. The demography of China's 1958–61 famine: A closer examination. *Population-E* 67:281–308.

Zheng, L. 1998. Biomass energy consumption in China. *Wood Energy News* 13:3–4. <http://www.rwedp.org/wen13-3.html>

Zijdeman, R.L. and F.R. de Silva. 2014. Life expectancy since 1820. In: J.L. van Zanden et al., eds. *How Was Life? Global Well-Being since 1820*, Paris: OECD, pp. 101–116.

Zimov, S.A. et al. 1995. Steppe-tundra transition: A herbivore-driven biome shift at the end of the Pleistocene. *The American Naturalist* 146:765–794.

Zimring, F.E. 2013. *The City That Became Safe: New York's Lessons for Urban Crime and Its Control*. Oxford: Oxford University Press.

Zipf, G.K., 1949. *Human Behavior and the Principle of Least Effort*. Cambridge, MA: Addison-Wesley Press.

Zucman, G. 2014. Wealth inequality in the United States since 1913: Evidence from capitalized income tax data. *Quarterly Journal of Economics* 131:519–578.

Zweiniger-Bargielowska, I. 2000. *Austerity in Britain: Rationing, Controls, and Consumption 1939–1955*. Oxford: Oxford University Press.