

14.662 Spring 2020: Lecture Schedule and Reading List

David Autor and Arin Dube

last updated 03/25/2020

Part I. David Autor: Start of semester until spring break

1. 2/3/20: (Mon) Brief overview of major U.S. and cross-national trends in earnings, employment, and human capital formation
2. 2/05/20 (Weds): Skill differentials: The canonical Tinbergen-Katz-Murphy model of the skill premium
3. 2/10/20 (Mon): Canonical model: Extensions
4. 2/12/20 (Weds): Comparative advantage, self-selection, and the Roy model
5. 2/18/20 (Tues): Skills, tasks, and technologies
6. 2/19/20 (Weds): Assignment models: Superstars, and mediocrities
7. 2/24/20 (Mon): Market structure and organizational structure
8. 2/26/20 (Weds): Overflow lecture—catching up with syllabus
9. 3/2/20 (Mon): Trade and labor markets—theory and evidence
10. 3/4/20 (Weds): The importance of place
11. 3/9/20 (Mon): Overflow lecture—catching up with syllabus
12. 3/11/20 (Weds): Discrimination and race
13. ~~3/16/20 (Mon): Discrimination and gender~~
14. ~~3/18/20 (Weds): The evolution of household structure (time permitting)~~

Part II. Arindrajit Dube: Post spring break until end of semester

15. 3/30/20 (M) Discrimination and race (*Autor*)
16. 4/1/20 (W) Search and job loss at the micro level
17. 4/6/20 (M) Job loss at the macro level
18. 4/8/20 (W) The role of the firm in the labor market

19. 4/13/20 (M) Labor market power and monopsony I
20. 4/15/20 (W) Labor market power and monopsony II
21. 4/22/20 (W) Rent sharing in the labor market
22. 4/27/20 (M) Management practices and firm productivity
23. 4/29/20 (W) Labor market institutions: unions and bargaining power
24. 5/4/20 (M) Labor market institutions: minimum wage
25. 5/6/20 (W) Fairness concerns and social preferences at the workplace
26. 5/11/20 (M) Equalizing wage differentials

1 Brief Overview of Major U.S. and Cross-National Trends in Earnings, Employment, and Human Capital Formation

1.1 Main papers

- Acemoglu, Daron and David Autor. 2010. “Skills, Tasks and Technologies: Implications for Employment and Earnings.” in Orley Ashenfelter and David Card, eds., *Handbook of Labor Economics, Vol. 4b.*, North Holland: Elsevier, 1043-1171.
- Alvaredo, Facundo, Lucas Chancel, Thomas Piketty, Emmanuel Saez, and Gabriel Zucman. 2018. “World Inequality Report 2018.” World Inequality Lab.
- Atkinson, Anthony B, Thomas Piketty, and Emmanuel Saez. 2011. “Top Incomes in the Long Run of History.” *Journal of Economic Literature*, 49(1): 3–71.
- Chetty, Raj, David Grusky, Maximilian Hell, Nathaniel Hendren, Robert Manduca, and Jimmy Narang. 2017. “The Fading American Dream: Trends in Absolute Income Mobility Since 1940.” *Science* 356, no. 6336 (April 28), 398–406.
- Chetty, Raj, Nathaniel Hendren, Patrick Kline, Emmanuel Saez, and Nicholas Turner. 2014. “Is the United States Still a Land of Opportunity? Recent Trends in Intergenerational Mobility.” *American Economic Review Papers and Proceedings*, 104(5), 141–147.
- Katz, Lawrence F., and Alan B. Krueger. 2017. “Documenting the Decline in U.S. Economic Mobility.” *Science* 356, no. 6336 (April 28): 382–83.
- Kochhar, Rakesh, and Stefan Cornibert. 2017. “Middle Class Fortunes in Western Europe.” Washington, D.C: Pew Research Center.
- Kochhar, Rakesh, Richard Fry, and Molly Rohal. 2016. “America’s Shrinking Middle Class: A Close Look at Changes Within Metropolitan Areas.” Washington, D.C: Pew Research Center.
- Kochhar, Rakesh, Richard Fry, and Molly Rohal. 2015. “The American Middle Class Is Losing Ground.” Washington, D.C: Pew Research Center.

- Murphy, Kevin M., and Robert H. Topel. 2016. “Human Capital Investment, Inequality, and Economic Growth.” *Journal of Labor Economics* 34, S2 (April): S99–127.

1.2 Useful references

- Aguiar, Mark, and Mark Bils. 2015. “Has Consumption Inequality Mirrored Income Inequality?” *American Economic Review* 105 (9), 2725–2756.
- Autor, David H. 2014. “Skills, Education, and the Rise of Earnings Inequality Among the ‘Other 99 Percent.’” *Science*, 344(6186), 843–851.
- Autor, David H., Lawrence F. Katz and Melissa Schettini Kearney. 2006. “The Polarization of the U.S. Labor Market.” *American Economic Review Papers and Proceedings*, 96(2), 189–194.
- Autor, David H., Lawrence F. Katz and Melissa Schettini Kearney. 2008. “Trends in U.S. Wage Inequality: Revising the Revisionists.” *Review of Economics and Statistics*, 90(2), 300–323.
- Bakija, Jon, Adam Cole, and Bradley T. Heim. 2012. “Jobs and Income Growth of Top Earners and the Causes of Changing Income Inequality: Evidence from U.S. Tax Return Data.” U.S. Department of the Treasury Working Paper, April.
- Beaudry, Paul, David A. Green, and Benjamin M. Sand. 2014. “The Declining Fortunes of the Young Since 2000.” *American Economic Review Papers & Proceedings*, 104(5), 381–386.
- Bick, Alexander, Nicola Fuchs-Schündeln, and David Lagakos. 2018. “How Do Hours Worked Vary with Income? Cross-Country Evidence and Implications.” *American Economic Review* 108(1), 170–199.
- Corak, Miles. 2013. “Income Inequality, Equality of Opportunity, and Intergenerational Mobility.” *Journal of Economic Perspectives*, 27(3), 79–102.
- Dustmann, Christian, Bernd Fitzenberger, Uta Schönberg, and Alexandra Spitz-Oener. 2014. “From Sick Man of Europe to Economic Superstar: Germany’s Resurgent Economy.” *Journal of Economic Perspectives*, 28(1), 167–188.
- Long, Jason, and Joseph Ferrie. 2013. “Intergenerational Occupational Mobility in Great Britain and the United States since 1850.” *American Economic Review* 103 (4): 1109–37.
- Saez, Emmanuel, and Gabriel Zucman. 2016. “Wealth Inequality in the United States Since 1913: Evidence from Capitalized Income Tax Data.” *Quarterly Journal of Economics*.
- Smith, Matthew, Danny Yagan, Owen Zidar, and Eric Zwick. 2019. “Capitalists in the Twenty-First Century.” *Quarterly Journal of Economics*, 134(4), 1675–1745.

2 The Canonical Model of Wage Determination (and Extensions)

2.1 Main papers

- Acemoglu, Daron. 2002. “Technical Change, Inequality and the Labor Market.” *Journal of Economic Literature*, 40, March, 7-72.
- Broecke, Stijn, Glenda Quintini, and Marieke Vandeweyer. 2018. “Wage Inequality and Cognitive Skills: Reopening the Debate.” in Charles R. Hulten and Valerie A. Ramey (eds.), *Education, Skills, and Technical Change: Implications for Future U.S. GDP Growth*, University of Chicago Press, 251–286.
- Card, David and Thomas Lemieux. 2001. “Can Falling Supply Explain the Rising Return to College for Younger Men? A Cohort-Based Analysis.” *Quarterly Journal of Economics*, 116(2), 705-746.
- Carneiro, Pedro and Sokbae Lee. 2011. “Trends in Quality-Adjusted Skill Premia in the United States, 1960-2000” *American Economic Review*, 101(6), 2309-2349.
- Goldin, Claudia and Lawrence Katz. 2007. “The Race between Education and Technology: The Evolution of U.S. Educational Wage Differentials, 1890 to 2005.” NBER Working Paper No. 12984, March.
- Katz, Lawrence F. and Kevin M. Murphy. 1992. “Changes in Relative Wages, 1963-1987: Supply and Demand Factors.” *Quarterly Journal of Economics*, 107(1), 35-78.
- Leuven, Edwin, Hessel Oosterbeek and Hans van Ophem. 2004. “Explaining International Differences in Male Skill Wage Differentials by Differences in Demand and Supply of Skill.” *Economic Journal*, 114, April, 466-486.

2.2 Useful references

- Acemoglu, Daron, David Autor and David Lyle. 2004. “Women, War, and Wages: The Effect of Female Labor Supply on the Wage Structure at Midcentury.” *Journal of Political Economy*, 112(3), 497-551.
- Beaudry, Paul, David A Green, and Benjamin M Sand. 2016. “The Great Reversal in the Demand for Skill and Cognitive Tasks.” *Journal of Labor Economics* 34 (S1, part 2), S199–247.
- Blau, Francine D. and Lawrence M. Kahn. 1996. “International Differences in Male Wage Inequality: Institutions versus Market Forces.” *Journal of Political Economy*, 104(4), 791-837.
- Dittmar, Jeremiah E. 2011. “Information Technology and Economic Change: The Impact of the Printing Press.” *Quarterly Journal of Economics*, 126(3), 1133-1172.
- Goldin, Claudia and Lawrence Katz. 1998. “The Origins of Technology-Skill Complementarity.” *Quarterly Journal of Economics*, 113 (3), 693-732.

- Goldin, Claudia and Lawrence Katz. 2008. *The Race between Education and Technology*. Cambridge: Harvard University Press.
- Hamermesh, Daniel S. 1999. “Changing Inequality in the Markets for Workplace Amenities.” *Quarterly Journal of Economics*. 114(4), 1085-1123.
- Hanlon, W Walker. 2016. “Necessity Is the Mother of Invention: Input Supplies and Directed Technical Change.” *Econometrica*.
- Hjort, Jonas, and Jonas Poulsen. 2019. “The Arrival of Fast Internet and Employment in Africa.” *American Economic Review* 109 (3): 1032–79.
- Krusell, Per, Lee Ohanian, Victor Rios-Rull and Giovanni Violante. 2000. “Capital-Skill Complementarity and Inequality.” *Econometrica*, 6(5), 1029-1053.
- Lewis, Ethan G. 2011. “Immigration, Skill Mix, and Capital-Skill Complementarity.” *Quarterly Journal of Economics*, 126(2), 1029-1069.
- Pierce, Brooks. 2001. “Compensation Inequality.” *Quarterly Journal of Economics*, 116(3), 1493-1525.

3 Comparative Advantage, Self-Selection and the Roy Model

3.1 Main papers

- Abramitzky, Ran, Leah Boustan, and Katherine Eriksson (2014) “A nation of immigrants: Assimilation and economic outcomes in the age of mass migration,” *Journal of Political Economy* 122(3): 467-506.
- Adão, Rodrigo. “Worker Heterogeneity, Wage Inequality, and International Trade: Theory and Evidence from Brazil.” University of Chicago Working Paper, November 2016.
- Borjas, George (1987) “Self-Selection and the Earnings of Immigrants,” *American Economic Review* 77(4): 531-553.
- Chandra, Amitabh and Douglas Staiger (2007) “Productivity spillovers in health care: Evidence from the treatment of heart attacks,” *Journal of Political Economy* 115(1): 103-140.
- Kirkeboen, Lars, Edwin Leuven, and Magne Mogstad (2016) “Field of study, earnings, and self-selection,” *Quarterly Journal of Economics* 131, 1057-1111.
- Roy, Andrew (1951) “Some Thoughts on the Distribution of Earnings,” *Oxford Economic Papers* New Series, 3(2): 135-146.

3.2 Key references

- Abramitzky, Ran, Leah Boustan, and Katherine Eriksson. 2020. “Do Immigrants Assimilate More Slowly Today than in the Past?” *American Economic Review: Insights*, forthcoming.
- Borjas, George (1985) “Assimilation, changes in cohort quality, and the earnings of immigrants,” *Journal of Labor Economics* 3(4): 463-489.

- Borjas, George J. (1994) “The Economics of Immigration.” *Journal of Economic Literature* 32(4), 1667–1717.
- Borjas, George and Kirk Doran (2012) “The collapse of the Soviet Union and the productivity of American mathematicians,” *Quarterly Journal of Economics* 127(3): 1143-1203.
- Chandra, Amitabh, and Douglas O Staiger. 2020. “Identifying Sources of Inefficiency in Healthcare.” *Quarterly Journal of Economics* forthcoming.
- Chiswick, Barry (1978) “The effect of Americanization on the earnings of foreign-born men,” *Journal of Political Economy* 86(5): 897-921.
- Dahl, Gordon (2002) “Mobility and the return to education: Testing a Roy model with multiple markets,” *Econometrica* 70(6): 2367-2420.
- French, Eric and Christopher Taber (2011) “Identification of models of the labor market,” Chapter 6 in *Handbook of Labor Economics Volume 4 Part A*, edited by Orley Ashenfelter and David Card: 537-617.
- Heckman, James and Bo Honoré (1990) “The empirical content of the Roy model,” *Econometrica* 58(5): 1121-1149.
- Neal, Derek and Sherwin Rosen (2000) “Theories of the distribution of earnings,” Chapter 7 in *Handbook of Income Distribution, Volume 1*, edited by Anthony Atkinson and François Bourguignon: 379-427.
- Rothschild, Casey and Florian Scheuer (2013) “Redistributive taxation in the Roy model,” *Quarterly Journal of Economics* 128(2): 623-668.
- Willis, Robert and Sherwin Rosen (1979) “Education and self-selection,” *Journal of Political Economy* 87(5, Part 2: Education and Income Distribution): S7-S36.

4 Skills, Tasks, and Technologies

4.1 Main papers

- Acemoglu, Daron and David Autor. 2011. “Skills, Tasks and Technologies: Implications for Employment and Earnings.” in Orley Ashenfelter and David Card, eds., *Handbook of Labor Economics, Vol. 4b.*, North Holland: Elsevier, 1043-1171.
- Acemoglu, Daron, and Pascual Restrepo. 2018. “The Race between Man and Machine: Implications of Technology for Growth, Factor Shares, and Employment.” *American Economic Review* 108 (6), 1488–1542.
- Akerman, Anders, Ingvil Gaarder, and Magne Mogstad. 2015. “The Skill Complementarity of Broadband Internet.” *The Quarterly Journal of Economics*, 130 (4) (November), 1781–1824.
- Autor, David H., Frank Levy and Richard J. Murnane. 2003. “The Skill Content of Recent Technological Change: An Empirical Exploration.” *Quarterly Journal of Economics*, 116(4).

- Deming, David J. 2017. “The Growing Importance of Social Skills in the Labor Market.” *Quarterly Journal of Economics* 132, 1593–1640.
- Webb, Michael. 2020. “The Impact of Artificial Intelligence on the Labor Market.” Stanford University Working Paper. January.

4.2 Useful references

- Acemoglu, Daron. 2002. “Directed Technical Change.” *Review of Economic Studies*, 69(4), 781-809.
- Acemoglu, Daron, and Pascual Restrepo. 2018. “Artificial Intelligence, Automation and Work.” NBER Working Paper No. 24196, January.
- Acemoglu, Daron, and Pascual Restrepo. 2019. “Automation and New Tasks: How Technology Displaces and Reinstates Labor.” *Journal of Economic Perspectives*, 33 (2): 3–30.
- Acemoglu, Daron, and Pascual Restrepo. 2019. “Robots and Jobs: Evidence from US Labor Markets.”
- Autor, David and David Dorn. 2013. “The Growth of Low Skill Service Jobs and the Polarization of the U.S. Labor Market.” *American Economic Review*, 103(5), 1553-1597.
- Bárány, Zsófia L., and Christian Siegel. 2018. “Job Polarization and Structural Change.” *American Economic Journal: Macroeconomics* 10 (1): 57–89.
- Caselli, Francesco, and Alan Manning. 2019. “Robot Arithmetic: New Technology and Wages.” *American Economic Review: Insights*, 1 (1). 1–12.
- Cavounidis, Costas, and Kevin Lang. 2018. “Ben-Porath Meets Lazear: Microfoundations for Dynamic Skill Formation.” *Journal of Political Economy*, forthcoming.
- Dauth, Wolfgang, Sebastian Findeisen, Jens Suedekum, and Nicole Woessner. 2018. “Adjusting to Robots: Worker-Level Evidence.” University of Würzburg Working Paper, August.
- Deming, David J, and Kadeem L Noray. 2018. “STEM Careers and Technological Change” NBER Working Paper No. 25065, September, Updated in 2019.
- Gaggl, Paul, and Gregg C Wright. 2017. “A Short-Run View of What Computers Do: Evidence from a UK Tax Incentive.” *American Economic Journal: Applied Economics* 9(3): 262–294.
- Goos, Maarten and Alan Manning. 2007. “Lousy and Lovely Jobs: The Rising Polarization of Work in Britain,” *Review of Economics and Statistics*, 89(1), 118–133.
- Goos, Maarten, Alan Manning, and Anna Salomons. 2014. “Explaining Job Polarization: Routine-Biased Technological Change and Offshoring.” *American Economic Review*, 104(8), 2509–2526.
- Guvenen, Fatih, Burhan Kuruscu, Satoshi Tanaka, and David Wiczer. 2020. “Multidimensional Skill Mismatch.” *American Economic Journal: Macroeconomics* 12 (1): 210–44.

- Hershbein, Brad, and Lisa B Kahn. 2018. “Do Recessions Accelerate Routine-Biased Technological Change? Evidence from Vacancy Postings.” *American Economic Review*, Forthcoming.
- Heckman, James J and Jose Scheinkman. 1987. “The Importance of Bundling in a Gorman-Lancaster Model of Earnings.” *The Review of Economic Studies*, 54(2), 243–255.
- Katz, Lawrence F, and Robert A Margo. 2014. “Technical Change and the Relative Demand for Skilled Labor: The United States in Historical Perspective.” In Leah Platt Boustan, Carola Frydman, and Robert A Margo, eds., *Human Capital in History: The American Record*. Chicago: University of Chicago Press, p. 15–57.
- Nordhaus, William D. 2001. “Two Centuries of Progress in Computing.” *Journal of Economic History*. 67(1), 128-159.

5 Superstars and Mediocrities: Assignment Models

5.1 Main papers

- Koenig, Felix. 2019. “Technical Change and Superstar Effects: Evidence from the Roll-Out of Television.” London School of Economics Working Paper.
- Frydman, Carola, and Raven E. Saks. 2010. “Executive Compensation: A New View from a Long-Term Perspective, 1936–2005.” *The Review of Financial Studies* 23 (5): 2099–2138.
- Pallais, Amanda. 2014. “Inefficient Hiring in Entry-Level Labor Markets.” *American Economic Review*, 104(11), 3565–3599.
- Rosen, Sherwin. 1981. “The Economics of Superstars.” *American Economic Review*, 71(5), 845-858.
- Terviö, Marko. 2008. “The Difference that CEOs Make: An Assignment Model Approach.” *American Economic Review*, 98(3), 642-668.
- Terviö, Marko. 2009. “Superstars and Mediocrities: Market Failure in the Discovery of Talent.” *Review of Economic Studies*, 72(2), 829-850.
- Sattinger, Michael. 1975. “Comparative Advantage and the Distribution of Earnings and Abilities,” *Econometrica*, 43, 455-468.

5.2 Useful references

- Acemoglu, Daron, David Laibson and John List (2014) “Equalizing Superstars: The Internet and the Democratization of Education.” *American Economic Review: Papers and Proceedings*, 104(5), 523-527.
- Ales, Laurence, and Christopher Sleet. 2016. “Taxing Top CEO Incomes.” *American Economic Review* 106 (11), 3331–3366.

- Bertrand, Marianne, and Sendhil Mullainathan. 2001. “Are CEOs Rewarded for Luck? The Ones Without Principals Are.” *Quarterly Journal of Economics* 116 (3): 901–32.
- Gabaix, Xavier and Augustin Landier. 2008. “Why has CEO Pay Increased so Much?” *Quarterly Journal of Economics*, 123(1), February, 49-100.
- Garicano, Luis, and Esteban Rossi-Hansberg. 2015. “Knowledge-Based Hierarchies: Using Organizations to Understand the Economy.” *Annual Review of Economics*, 7(1) (August): 1–30.
- Philippon, Thomas and Ariell Reshef. 2012. “Wages and Human Capital in the U.S. Finance Industry: 1909-2006.” *Quarterly Journal of Economics*, 127(4), 1551-1609.
- Scheuer, Florian, and Iván Werning. 2017. “The Taxation of Superstars.” *Quarterly Journal of Economics*, 132(1): 211-270.

6 Market Structure, Organizational Structure, and the Returns to Talent

6.1 Main papers

- Becker, Gary S. and Kevin M. Murphy. 1992. “The Division of Labor, Coordination Costs and Knowledge.” *Quarterly Journal of Economics*, 107(4), 1137-1160.
- Bloom, Nicholas, Erik Brynjolfsson, Lucia Foster, Ron Jarmin, Megha Patnaik, Itay Saporta-Eksten, and John Van Reenen. 2019. “What Drives Differences in Management Practices?” *American Economic Review* 109 (5): 1648–83.
- Bloom, Nicholas, and John Van Reenen. 2010. “Why Do Management Practices Differ across Firms and Countries?” *Journal of Economic Perspectives* 24 (1): 203–24.
- Dessein, Wouter and Tanos Santos. 2006. “Adaptive Organizations.” *Journal of Political Economy*, 114(5), 956-995.
- Hounshell, David A. 1984. *From the American System to Mass Production, 1800-1932*. Baltimore: The John Hopkins University Press.

6.2 Useful references

- Aguiar, Luis, and Joel Waldfogel. 2018. “Quality Predictability and the Welfare Benefits from New Products: Evidence from the Digitization of Recorded Music.” *Journal of Political Economy* 126 (2), 492–524.
- Bennedsen, Morten, Kasper Meisner Nielsen, Francisco Perez-Gonzalez, and Daniel Wolfenzon. 2007. “Inside the Family Firm: The Role of Families in Succession Decisions and Performance.” *Quarterly Journal of Economics* 122 (2): 647–91.
- Benson, Alan, Danielle Li, and Kelly Shue. 2019. “Promotions and the Peter Principle.” *Quarterly Journal of Economics* 134 (4): 2085–2134.

- Bertrand, Marianne and Antoinette Schoar. 2003. “Managing with style: The effect of managers on firm policies,” *Quarterly Journal of Economics* 118(4): 1169-1208.
- Bloom, Nick and John Van Reenen. 2007. “Measuring and Explaining Management Practices across Firms and Countries.” *Quarterly Journal of Economics*, 122(4), November, 1351-1408.
- Bloom, Nicholas and John Van Reenen. 2011. “Human resource management and productivity,” Chapter 19 in *Handbook of Labor Economics Volume 4B*, Orley Ashenfelter and David Card (editors): 1697-1768.
- Bloom, Nicholas, Benn Eifert, Aprajit Mahajan, David McKenzie, and John Roberts. 2013. “Does management matter? Evidence from India,” *Quarterly Journal of Economics* 128(1): 1-51.
- Bloom, Nicholas, Carol Propper, Stephan Seiler, and John Van Reenen. 2015. "The Impact of Competition on Management Quality: Evidence from Public Hospitals." *Review of Economic Studies* Vol. 82, No. 2 (2015): 457-489.
- Kelly, Morgan, and Cormac Ó Gráda. 2016. “Adam Smith, Watch Prices, and the Industrial Revolution.” *The Quarterly Journal of Economics*, 131 (4), 1727–1752.
- Taylor, Frederick W. 1911. *The Principles of Scientific Management*. New York: Harper Brothers.

7 The Importance of Place

- Austin, Benjamin, Edward Glaeser, and Lawrence Summers. 2018. “Jobs for the Heartland: Place-Based Policies in 21st Century America.” *Brookings Papers on Economic Activity*, Spring, 151–240.
- Autor, David H. 2019. “Work of the Past, Work of the Future (Richard T. Ely Lecture).” AEA Papers and Proceedings, May 2019, 1-32.
- Blanchard, Olivier Jean, and Lawrence F. Katz. 1992. “Regional Evolutions.” *Brookings Papers on Economic Activity*, 1–75.
- Chetty, Raj, and Nathaniel Hendren. 2018. “The Impacts of Neighborhoods on Intergenerational Mobility I: Childhood Exposure Effects.” *Quarterly Journal of Economics* 133 (3), 1107–1162.
- Chetty, Raj, Nathaniel Hendren, Maggie R Jones, and Sonya R Porter. 2020. “Race and Economic Opportunity in the United States: An Intergenerational Perspective.” *Quarterly Journal of Economics* forthcoming.
- Chodorow-Reich, Gabe, and Johannes Wieland. 2019. “Secular Labor Reallocation and Business Cycles.” *Journal of Political Economy*, forthcoming.
- Fajgelbaum, Pablo D, and Cecile Gaubert. 2020. “Optimal Spatial Policies, Geography, and Sorting.” *Quarterly Journal of Economics* Forthcoming.

- Kline, Patrick, and Enrico Moretti. 2014. “People, Places, and Public Policy: Some Simple Welfare Economics of Local Economic Development Programs.” *Annual Review of Economics* 6(1): 629–662.

7.1 Useful references

- Amior, Michael, and Alan Manning. 2018. “The Persistence of Local Joblessness.” *American Economic Review* 108 (7): 1942–70.
- Barro, Robert J. 1992. “Convergence.” *Journal of Political Economy* 100 (2): 223–51.
- Baum-Snow, Nathaniel, Matthew Freedman, and Ronni Pavan. 2018. “Why Has Urban Inequality Increased?” *American Economic Journal: Applied Economics* 10 (4), 1–42.
- Björklund, Anders, Mikael Lindahl, and Erik Plug. 2006. “The Origins of Intergenerational Associations: Lessons from Swedish Adoption Data.” *Quarterly Journal of Economics* 121 (3): 999–1028.
- Bleakley, Hoyt, and Joseph Ferrie. 2016. “Shocking Behavior: Random Wealth in Antebellum Georgia and Human Capital Across Generations.” *Quarterly Journal of Economics*, 1455–1495.
- Chetty, Raj, and Nathaniel Hendren. 2018. “The Impacts of Neighborhoods on Intergenerational Mobility I: Childhood Exposure Effects.” *Quarterly Journal of Economics* 133 (3): 1107–62.
- Chetty, Raj, and Nathaniel Hendren. 2018. “The Impacts of Neighborhoods on Intergenerational Mobility II: County-Level Estimates.” *Quarterly Journal of Economics* 133 (3): 1163–1228.
- Dauth, Wolfgang, Sebastian Findeisen, Enrico Moretti, and Jens Suedekum. 2018. “Matching in Cities.” NBER Working Paper No. 25227, November.
- Dix-Carneiro, Rafael, and Brian K. Kovak. 2017. “Trade Liberalization and Regional Dynamics.” *American Economic Review* 107(10): 2908–2946.
- Gaubert, Cecile. 2018. “Firm Sorting and Agglomeration.” *American Economic Review* 108 (11): 3117–53.
- Garrett, Daniel, Eric Ohrn, and Juan Carlos Suárez Serrato. 2019. “Tax Policy and Local Labor Market Behavior.” *American Economic Review: Insights*, forthcoming.
- Giannone, Elisa. 2019. “Skill-Biased Technical Change and Regional Convergence.” University of Chicago Working Paper, June.
- Hornbeck, Richard, and Enrico Moretti. 2019. “Estimating Who Benefits From Productivity Growth: Direct and Indirect Effects of City Manufacturing TFP Growth on Wages, Rents, and Inequality.” University of Chicago Working Paper, January.
- Yagan, Danny. 2019. “Employment Hysteresis from the Great Recession.” *Journal of Political Economy* 127 (5): 2505–58.

8 Trade and Labor Markets: Some Theory and Recent Evidence

8.1 Main Papers

- Autor, David H., David Dorn, and Gordon H. Hanson. 2013. “The China Syndrome: Local Labor Market Effects of Import Competition in the United States.” *American Economic Review*, 103(6), 2121–2168.
- Autor, David H., David Dorn, and Gordon H. Hanson. 2016. “The China Shock: Learning from Labor Market Adjustment to Large Changes in Trade.” *Annual Review of Economics* 8(1): 205–240.
- Caliendo, Lorenzo, Maximiliano Dvorkin, and Fernando Parro. 2019. “Trade and Labor Market Dynamics: General Equilibrium Analysis of the China Trade Shock.” *Econometrica* 87 (3): 741–835.
- Eaton, Jonathan and Samuel Kortum. 2002. “Technology, Geography and Trade.” *Econometrica*, 70(5), 1741-1779.
- Eaton, Jonathan and Samuel Kortum. 2012. “Putting Ricardo to Work.” *Journal of Economic Perspectives*, 26(1), 65-90. [Also see *online appendix*]
- Hyman, Benjamin. 2018. “Can Displaced Labor Be Retrained? Evidence from Quasi-Random Assignment to Trade Adjustment Assistance.” University of Chicago Working Paper, November.
- Hummels, David, Rasmus Jørgensen, Jakob Munch, and Chong Xiang. 2014. “The Wage Effects of Offshoring: Evidence from Danish Matched Worker-Firm Data.” *American Economic Review*, 104(6), 1597–1629.
- Topalova, Petia. 2010. “Factor Immobility and Regional Impacts of Trade Liberalization: Evidence on Poverty from India.” *American Economic Journal: Applied Economics* 2 (4): 1–41.
- Traiberman, Sharon. 2019. “Occupations and Import Competition: Evidence from Denmark.” *American Economic Review* 109 (12): 4260–4301.

8.2 Useful references

- Acemoglu, Daron, David Autor, David Dorn, Gordon H. Hanson, and Brendan Price. 2016. “Import Competition and the Great US Employment Sag of the 2000s.” *Journal of Labor Economics* 34(S1): S141–198.
- Autor, David, David Dorn, and Gordon Hanson. 2019. “When Work Disappears: Manufacturing Decline and the Falling Marriage Market Value of Young Men.” *American Economic Review: Insights* 1 (2): 161–78.
- Autor, David H., David Dorn, Gordon H. Hanson, and Jae Song. 2014. “Trade Adjustment: Worker-Level Evidence.” *Quarterly Journal of Economics*, 129(4), 1799–1860.

- Bai, Liang, and Sebastian Stumpner. 2019. “Estimating US Consumer Gains from Chinese Imports.” *American Economic Review: Insights* 1 (2): 209–24.
- Balsvik, Ragnhild, Sissel Jensen, and Kjell G. Salvanes. 2014. “Made in China, Sold in Norway: Local Labor Market Effects of an Import Shock.” *Journal of Public Economics*, 127: 137–144.
- Costinot, Arnaud. 2009. “An Elementary Theory of Comparative Advantage.” *Econometrica*, 77(4), 1165-1192.
- Dauth, Wolfgang, Sebastian Findeisen, and Jens Suedekum. 2014. “The Rise of the East and the Far East: German Labor Markets and Trade Integration.” *Journal of the European Economic Association*, 12(6): 1643–1675.
- Hanson, Gordon. 2012. “The Rise of Middle Kingdoms: Emerging Economies in Global Trade.” *Journal of Economic Perspectives*, 26(1), 41-64.
- Kovak, Brian K. 2013. “Regional Effects of Trade Reform: What is the Correct Measure of Liberalization?.” *American Economic Review*, 103(5), 1960–1976.
- Lileeva, Alla and Daniel Trefler. 2010. “Improved Access to Foreign Markets Raises Productivity... For Some Plants.” *Quarterly Journal of Economics*, 125(3), 1051-1099.
- Melitz, Mark and Daniel Trefler. 2012. “Gains from Trade when Firms Matter.” *Journal of Economic Perspectives*, 26(1), Spring, 91-118.
- Pierce, Justin R., and Peter K. Schott. 2016. “The Surprisingly Swift Decline of US Manufacturing Employment.” *American Economic Review*, 106(7): 1632–1662.
- Utar, Hale. 2014. “When the Floodgates Open: ‘Northern’ Firms’ Response to Removal of Trade Quotas on Chinese Goods.” *American Economic Journal: Applied Economics*, 6(4), 226–250.
- Utar, Hale. 2018. “Workers beneath the Floodgates: Low-Wage Import Competition and Workers’ Adjustment.” *Review of Economics and Statistics* 100 (4), 631–647.

[The canonical Hechsher-Ohlin model: Theory and (some) evidence: For self-study as desired]

[Main papers]

- Burstein, Ariel, Gordon Hanson, Lin Tian, and Jonathan Vogel. 2017. “Tradability and the Labor-Market Impact of Immigration: Theory and Evidence from the U.S.” NBER Working Paper No. 23330, (rev. November 2018).
- Clemens, Michael A., Ethan G. Lewis, and Hannah M. Postel. 2018. “Immigration Restrictions as Active Labor Market Policy: Evidence from the Mexican Bracero Exclusion.” *American Economic Review* 108 (6), 1468–1487.
- Hsieh, Chag-Tai and Keong T. Woo. 2005. “The Impact of Outsourcing to China on Hong Kong’s Labor Market.” *American Economic Review*, 95(5), December, 1673–1687.

- Krugman, Paul. 2000. “Technology, Trade and Factor Prices.” *Journal of International Economics*, 50(1), 51-71.
- Leamer, Edward E. 2000. “What’s the Use of Factor Contents?” *Journal of International Economics*, 50(1), February, 17-49.

[Useful references]

- Berman, Eli, John Bound and Stephen Machin. 1998. “Implications of Skill-Biased Technological Change: International Evidence.” *Quarterly Journal of Economics*, 113(4), 1998, 1245-1280.
- Burstein, Ariel, and Jonathan Vogel. 2017. “International Trade, Technology, and the Skill Premium.” *Journal of Political Economy* 125(5), 1356–1412.
- Cortes, Patricia. 2008. “The Effect of Low-skilled Immigration on U.S. Prices: Evidence from CPI Data.” *Journal of Political Economy*, 116(3), 381-422.
- Dustmann, Christian, Uta Schönberg, and Jan Stuhler. 2017. “Labor Supply Shocks, Native Wages, and The Adjustment of Local Employment” *Quarterly Journal of Economics* 132(1), 435–483.
- Grossman, Gene and Estaban Rossi-Hansberg. 2008. “Trading Tasks: A Simple Theory of Outsourcing.” *American Economic Review*, 98(5), 1978-1997.
- Lewis, Ethan G. 2011. “Immigration, Skill Mix, and Capital-Skill Complementarity.” *Quarterly Journal of Economics*, 126(2), 1029-1069.

9 Discrimination and Race

9.1 Main papers

- Aigner, Dennis and Glen Cain (1977) “Statistical theories of discrimination in labor markets,” *Industrial and Labor Relations Review* 30(2): 175-187.
- Agan, Amanda and Sonja Starr (2017) “Ban the Box, Criminal Records, and Racial Discrimination: A Field Experiment,” *The Quarterly Journal of Economics*, 133(1), 191–235.
- Anwar, Shamena, Patrick Bayer, and Randi Hjalmarsson (2012) “The impact of jury race in criminal trials,” *Quarterly Journal of Economics* 127(2): 1017-1055.
- Bartoš, V., M. Bauer, J. Chytilová, and F. Matějka (2016). “Attention Discrimination: Theory and Field Experiments with Monitoring Information Acquisition,” *American Economic Review* 106(6): 1437-75.
- Bayer, Patrick, and Kerwin Kofi Charles. 2018. “Divergent Paths: A New Perspective on Earnings Differences Between Black and White Men Since 1940.” *Quarterly Journal of Economics* 133 (3), 1459–1501.
- Becker, Gary (1957) *The Economics of Discrimination*, University of Chicago Press.

- Bertrand, Marianne and Sendhil Mullainathan (2004) “Are Emily and Greg more employable than Latisha and Jamal? A field experiment on labor market discrimination,” *American Economic Review* 94(4): 991-1013.
- Bohren, J. Aislinn, Kareem Haggag, Alex Imas, and Devin G Pope. 2019. “Inaccurate Statistical Discrimination.” Working Paper 25935. National Bureau of Economic Research, June.
- Coate, Stephen and Glenn Loury (1993) “Will Affirmative Action Eliminate Negative Stereotypes?” *American Economic Review* 83(5): 1220-1240.
- Glover, Dylan, Amanda Pallais, and William Pariente (2017) "Discrimination as a self-fulfilling prophecy: Evidence from French grocery stores." *The Quarterly Journal of Economics* 132, no. 3: 1219-1260.
- Lagziel, David, and Ehud Lehrer. 2019. “A Bias of Screening.” *American Economic Review: Insights* 1 (3): 343–56.

9.2 Useful references

- Altonji, Joseph and Rebecca Blank (1999) “Race and gender in the labor market,” Chapter 48 in *Handbook of Labor Economics Volume 3 Part C*, edited by Orley Ashenfelter and David Card: 3143-3259.
- Altonji, Joseph and Charles Pierret (2001) “Employer learning and statistical discrimination,” *Quarterly Journal of Economics* 116(1): 313-350.
- Arnold, David, Will Dobbie, and Crystal S Yang. 2018. “Racial Bias in Bail Decisions.” *Quarterly Journal of Economics* 133 (4): 1885–1932.
- Arrow, Kenneth (1973) “The theory of discrimination,” in *Discrimination in Labor Markets*, edited by Orley Ashenfelter and Albert Rees: 3-33.
- Autor, David and David Scarborough (2008) “Does job testing harm minority workers? Evidence from retail establishments,” *Quarterly Journal of Economics* 123(1): 219-277.
- Behaghel, Luc, Bruno Crépon, and Thomas Le Barbanchon. 2015. “Unintended Effects of Anonymous Résumés.” *American Economic Journal: Applied Economics* 7 (3): 1–27.
- Bertrand, Marianne, and Esther Duflo (2017) "Field Experiments on Discrimination," *Handbook of Economic Field Experiments*, vol. 1, pp. 309-393. North-Holland.
- Black, Dan (1995) “Discrimination in an equilibrium search model,” *Journal of Labor Economics* 13(2): 309-334.
- Borjas, George and Stephen Bronars (1989) “Consumer discrimination and self-employment,” *Journal of Political Economy* 97(3): 581-605.
- Charles, Kerwin and Jonathan Guryan (2008) “Prejudice and wages: An empirical assessment of Becker’s *The Economics of Discrimination*,” *Journal of Political Economy* 116(5): 773-809.

- Farber, Henry and Robert Gibbons (1996) “Learning and wage dynamics,” *Quarterly Journal of Economics* 111(4): 1007-1047.
- Fryer, Roland and Glenn Loury (2005) “Affirmative action and its mythology,” *Journal of Economic Perspectives* 19(3): 147-162.
- Goldberg, Matthew (1982) “Discrimination, nepotism, and long-run wage differentials,” *Quarterly Journal of Economics* 97(2): 307-319.
- Goldberger, Arthur (1984) “Reverse regression and salary discrimination,” *Journal of Human Resources* 19(3): 293-318.
- Heckman, James and Brook Payner (1989) “Determining the impact of federal antidiscrimination policy on the economic status of blacks: A case study of South Carolina,” *American Economic Review* 79(1): 138-177.
- Kessler, Judd B., Corinne Low, and Colin D. Sullivan. 2019. “Incentivized Resume Rating: Eliciting Employer Preferences without Deception.” *American Economic Review* 109 (11): 3713–44.
- Lang, Kevin, Michael Manove, and William Dickens (2005) “Racial discrimination in labor markets with posted wage offers,” *American Economic Review* 95(4): 1327-1340.
- Leonard, Jonathan (1984) “The impact of affirmative action on employment,” *Journal of Labor Economics* 2(4): 439-463.
- List, John (2004) “The nature and extent of discrimination in the marketplace: Evidence from the field,” *Quarterly Journal of Economics* 119(1): 49-89.
- Lowe, Matthew (2017) “Types of Contact: A Field Experiment on Collaborative and Adversarial Caste Integration” Working Paper.
- Lundberg, Shelly and Richard Startz (1983) “Private discrimination and social intervention in competitive labor markets,” *American Economic Review* 73(3): 340-347.
- McCrary, Justin (2007) “The effect of court-ordered hiring quotas on the composition and quality of policy,” *American Economic Review* 97(1): 318-353.
- Neal, Derek (2004) “The measured black-white wage gap among women is too small,” *Journal of Political Economy* 112(2, Part 2): S1-S28.
- Neal, Derek and William Johnson (1996) “The role of premarket factors in black-white wage differences,” *Journal of Political Economy* 104(5): 869-895.
- Phelps, Edmund (1972) “The statistical theory of racism and sexism,” *American Economic Review* 62(4): 659-661.
- Rao, Gautam (2019) “Familiarity Does Not Breed Contempt: Generosity, Discrimination, and Diversity in Delhi Schools,” *American Economic Review*, 109 (3): 774-809.
- Riach, Peter and Judith Rich (2002) “Field experiments of discrimination in the market place,” *Economic Journal* 112(483): F480-F518.

10 Discrimination and Gender

10.1 Main papers

- Azmat, Ghazala, and Rosa Ferrer. 2017. “Gender Gaps in Performance: Evidence from Young Lawyers.” *Journal of Political Economy* 125(5): 1306–1355.
- Bohren, J. Aislinn, Alex Imas, and Michael Rosenberg. 2019. “The Dynamics of Discrimination: Theory and Evidence.” *American Economic Review* 109 (10).
- Bursztyn, Leonardo, Thomas Fujiwara, and Amanda Pallais. 2017. “‘Acting Wife:’ Marriage Market Incentives and Labor Market Investments.” *American Economic Review* 107(11): 3288–3319.
- Card, David, Ana Rute Cardoso, and Patrick Kline (2016) “Bargaining, sorting, and the gender wage gap: Quantifying the impact of firms on the relative pay of women,” *Quarterly Journal of Economics* 131(2): 633-686.
- Carlana, Michela. 2019. “Implicit Stereotypes: Evidence from Teachers’ Gender Bias.” *Quarterly Journal of Economics* 134 (3): 1163–1224.
- Carrell, Scott E., Marianne E. Page, and James E. West. 2010. “Sex and Science: How Professor Gender Perpetuates the Gender Gap.” *Quarterly Journal of Economics* 125 (3): 1101–44.
- Mas, Alexandre, and Amanda Pallais. 2019. “Labor Supply and the Value of Non-Work Time: Experimental Estimates from the Field.” *American Economic Review: Insights* 1 (1): 111–26.
- Mobius, Markus M., and Tanya S. Rosenblat. 2006. “Why Beauty Matters.” *American Economic Review* 96 (1): 222–35.
- Niederle, Muriel, and Lise Vesterlund. 2007. “Do Women Shy Away From Competition? Do Men Compete Too Much?” *Quarterly Journal of Economics* 122 (3): 1067–1101.
- Sarsons, Heather. 2019. “Interpreting Signals in the Labor Market: Evidence from Medical Referrals,” Working Paper.

10.2 Useful references

- Bertrand, Marianne (2011) “New perspectives on gender,” Chapter 17 in *Handbook of Labor Economics Volume 4 Part B*, edited by Orley Ashenfelter and David Card: 1543-1590.
- Bertrand, Marianne, Claudia Goldin, and Lawrence Katz (2010) “Dynamics of the gender gap among young professionals in the corporate and financial sectors,” *American Economic Journal: Applied Economics* 2(3): 228-255.
- Bursztyn, Leonardo, Alessandra L Gonzalez, and David Yanagizawa-Drott. 2018. “Misperceived Social Norms: Female Labor Force Participation in Saudi Arabia.” University of Chicago Working Paper, June.

- Goldin, Claudia (1990) *Understanding the Gender Gap: An Economic History of American Women* New York NY: Oxford University Press.
 - See also this book review: Wright, Gavin (1991) “Understanding the gender gap: A review article,” *Journal of Economic Literature* 29(3): 1153-1163.
- Goldin, Claudia (2006) “Richard T. Ely Lecture: The quiet revolution that transformed women’s employment, education, and family,” *American Economic Review Papers and Proceedings* 96(2): 1-21.
- Goldin, Claudia (2014) “A grand gender convergence: Its last chapter,” *American Economic Review* 104(4): 1091-1119.
- Goldin, Claudia and Lawrence Katz (2016) “The most egalitarian profession: Pharmacy and the evolution of a family-friendly occupation,” *Journal of Labor Economics* 34(3): 705-745.
- Goldin, Claudia and Cecilia Rouse (2000) “Orchestrating impartiality: The impact of ‘blind’ auditions on female musicians,” *American Economic Review* 90(4): 715-741.
- Mulligan, Casey and Yona Rubinstein (2008) “Selection, investment, and women’s relative wages over time,” *Quarterly Journal of Economics* 123(3): 1061-1110.

11 The Evolution of Household Structure

11.1 Main papers

- Autor, David, David Dorn, and Gordon Hanson. 2018. “When Work Disappears: Consequences of the Declining Marriage-Market Value of Men for Marriage, Fertility and Children’s Living Circumstances.” *American Economic Review: Insights*, forthcoming.
- Bertrand, Marianne, Patricia Cortes, Claudia Olivetti, and Jessica Pan. 2018. “Social Norms, Labor Market Opportunities, and the Marriage Gap for Skilled Women.” Chicago Booth Working Paper.
- Goldin, Claudia, and Lawrence F. Katz. 2002. “The Power of the Pill: Oral Contraceptives and Women’s Career and Marriage Decisions.” *Journal of Political Economy* 110 (4): 730–70.
- Goldin, Claudia, Lawrence F. Katz, and Ilyana Kuzeimko. 2006. “The Homecoming of American College Women: The Reversal of the College Gender Gap.” *Journal of Economic Perspectives*, 20(4), 133-156.
- Lundborg, Petter, Erik Plug, and Astrid Würtz Rasmussen. 2017. “Can Women Have Children and a Career? IV Evidence from IVF Treatments.” *American Economic Review* 107(6): 1611–37.
- Mas, Alexandre, and Amanda Pallais. 2017. “Valuing Alternative Work Arrangements.” *American Economic Review* 107(12): 3722–3759.
- Persson, Petra. 2019. “Social Insurance and the Marriage Market.” *Journal of Political Economy*, December.

- Wiswall, Matthew, and Basit Zafar. 2018. “Preference for the Workplace, Investment in Human Capital, and Gender.” *Quarterly Journal of Economics* 133(1): 457–507.

11.2 Useful references

- Akee, Randall, William Copeland, E. Jane Costello, and Emilia Simeonova. 2018. “How Does Household Income Affect Child Personality Traits and Behaviors?” *American Economic Review* 108 (3), 775–827.
- Angrist, Joshua, and William Evans. 1998. “Children and Their Parents’ Labor Supply: Evidence from Exogenous Variation in Family Size.” *American Economic Review* 88 (3): 450–77.
- Autor, David, David Figlio, Krzysztof Karbownik, Jeffrey Roth, and Melanie Wasserman. 2019. “Family Disadvantage and the Gender Gap in Behavioral and Educational Outcomes.” *American Economic Journal: Applied Economics* 11 (3): 338–81.
- Bertrand, Marianne, Claudia Goldin, and Lawrence Katz. 2010. “Dynamics of the gender gap among young professionals in the corporate and financial sectors,” *American Economic Journal: Applied Economics* 2(3): 228-255.
- Bertrand, Marianne, Emir Kamenica, and Jessica Pan. 2015. “Gender Identity and Relative Income within Households.” *The Quarterly Journal of Economics*, 130 (2), 571–614.
- Black, Sandra E., Paul J. Devereux, and Kjell G. Salvanes. 2005. “Why the Apple Doesn’t Fall Far: Understanding Intergenerational Transmission of Human Capital.” *American Economic Review* 95 (1): 437–49.
- Besley, Timothy, Olle Folke, Torsten Persson, and Johanna Rickne. 2017. “Gender Quotas and the Crisis of the Mediocre Man: Theory and Evidence from Sweden.” *American Economic Review* 107 (8), 2204–42.
- Charles, Kerwin Kofi and Ming Ching Luoh. 2010. “Male Incarceration, the Marriage Market and Female Outcomes.” *Review of Economics and Statistics*. 92(3), 614-627.
- Chevalier, Arnaud, and Olivier Marie. 2017. “Economic Uncertainty, Parental Selection, and Children’s Educational Outcomes.” *Journal of Political Economy* 125(2): 393–430.
- Goldin, Claudia. 2014. “A Grand Gender Convergence: Its Last Chapter.” *American Economic Review*, 104 (4), 1091–1119.
- Guryan, Jonathan, Erik Hurst, and Melissa Kearney. 2008. “Parental Education and Parental Time with Children.” *Journal of Economic Perspectives* 22 (3): 23–46.
- McLanahan, Sara. 2004. “Diverging Destinies: How Children Are Faring under the Second Demographic Transition.” *Demography*, 41(4), 607–627.
- Ramey, Gary and Valerie A Ramey. 2010. “The Rug Rat Race.” *Brookings Papers on Economic Activity*, 2010(1), 129–176.
- Rege, Mari, Kjetil Telle, and Mark Votruba. 2011. “Parental Job Loss and Children’s School Performance.” *Review of Economic Studies*, 78(4): 1462–1489.

- Smock, Pamela J., Wendy D. Manning, and Meredith Porter. 2005. “‘Everything’s There Except Money:’ How Money Shapes Decisions to Marry among Cohabitators.” *Journal of Marriage and Family*, 67(3), 680–696.

12 Search and Job Loss at the Micro and Macro Levels (Lectures 16, 17)

12.1 Main papers

- Card, David, Raj Chetty, and Andrea Weber. 2007. “Cash-on-Hand and Competing Models of Intertemporal Behavior: New Evidence from the Labor Market.” *Quarterly Journal of Economics*, 122(4), 1511–1560.
- Crépon, Bruno, Esther Dufo, Marc Gurgand, Roland Rathelot, and Philippe Zamora. 2013. “Do Labor Market Policies have Displacement Effects? Evidence from a Clustered Randomized Experiment.” *Quarterly Journal of Economics* 128(2), 531–580.
- DellaVigna, Stefano, Attila Lindner, Balázs Reizer, and Johannes F. Schmieder. 2017. “Reference-dependent job search: Evidence from Hungary.” *The Quarterly Journal of Economics* 132, no. 4: 1969–2018.
- Jacobson, Louis. S., Robert J. LaLonde, and Daniel G. Sullivan. 1993. “Earnings Losses of Displaced Workers.” *American Economic Review*, 83(4), 685–709.
- Lalive, Rafael, Camille Landais, and Josef Zweimüller. 2015. “Market Externalities of Large Unemployment Insurance Extension Programs.” *American Economic Review*, 105(12), 3564–3596.
- Nekoei, Arash, and Andrea Weber. 2017. “Does Extending Unemployment Benefits Improve Job Quality?” *American Economic Review*, 107(2): 527–61.
- Jäger, Simon, Benjamin Schoefer, Samuel Young, and Josef Zweimüller. “Wages and the Value of Nonemployment,” <https://www.nber.org/papers/w25230>
- Schmieder, Johannes F., Till von Wachter, and Stefan Bender. 2016. “The Effect of Unemployment Benefits and Nonemployment Durations on Wages.” *American Economic Review* 106(3):739–77.

12.2 Useful references

- Autor, David H, Nicole Maestas, Kathleen J Mullen, and Alexander Strand. 2015. “Does Delay Cause Decay? The Effect of Administrative Decision Time on the Labor Force Participation and Earnings of Disability.” NBER Working Paper 20840, January.
- Davis, Steven J., and Till von Wachter. 2011. “Recessions and the Costs of Job Loss.” *Brookings Papers on Economic Activity* 2011(2), 1–72.
- Hendren, N., 2017. Knowledge of future job loss and implications for unemployment insurance. *American Economic Review*, 107(7), pp.1778–1823.

- Jarosch, Gregor, and Laura Philossoph. 2017. “Statistical Discrimination and Duration Dependence in the Job Finding Rate” Princeton Working Paper.
- Johnston, Andrew C, and Alexandre Mas. 2016. “Potential Unemployment Insurance Duration and Labor Supply: The Individual-Level Response to a Benefit Cut.” Princeton University Working Paper, July.
- Kroft, Kory, Fabian Lange, and Matthew J Notowidigdo. 2013. “Duration Dependence and Labor Market Conditions: Evidence from a Field Experiment.” *Quarterly Journal of Economics*, 128(3), 1123–1167.
- Krolikowski, Pawel. 2018. “Choosing a Control Group for Displaced Workers.” *Industrial and Labor Relations Review*, 71(5): pp. 1232-1254
- Lachowska, Marta, Alexandre Mas, and Stephen A. Woodbury. 2017. “Sources of Displaced Workers’ Long-Term Earnings Losses” Working Paper.
- Oreopoulos, Philip, Till Von Wachter, and Andrew Heisz. 2012. “The Short- and Long-Term Career Effects of Graduating in a Recession.” *American Economic Journal: Applied Economics*, 4(1), 1–29.
- Pissarides, Christopher A. 2000. *Equilibrium Unemployment Theory: Second Edition*, Cambridge: MIT Press (see especially chapters 1 and 2).
- Price, Brendan. 2016. “The Duration and Wage Effects of Long-Term Unemployment Benefits: Evidence from Germany’s Hartz IV Reform.” MIT Working Paper.
- Sullivan, Daniel, and Till von Wachter. 2009. “Job Displacement and Mortality: An Analysis Using Administrative Data.” *Quarterly Journal of Economics*, 124(3), 1265–1306.

13 Role of the Firm in the Labor Market (Lecture 18)

13.1 Main papers

- Bonhomme, Stéphane, Thibaut Lamadon, and Elena Manresa (2019) “A distributional framework for matched employer employee data.” *Econometrica* 87.3 : 699-739.
- Card, David, J. Heining, and P. Kline. 2013. “Workplace Heterogeneity and the Rise of West German Wage Inequality.” *Quarterly Journal of Economics*, 128(3), 967–1015.
- Goldschmidt, Deborah, and Johannes F. Schmieder. "The rise of domestic outsourcing and the evolution of the German wage structure." *Quarterly Journal of Economics* 132, no. 3 (2017): 1165-1217.
- Song, J., Price, D. J., Guvenen, F., Bloom, N., & Von Wachter, T. (2018). “Firming up inequality.” *Quarterly Journal of Economics*, 134(1), 1-50.

13.2 Useful references

- Abowd, J.M., Kramarz, F. and Margolis, D.N., (1999) “High wage workers and high wage firms.” *Econometrica*, 67(2), pp.251-333.
- Kline, Patrick, Mikkel Sølvsten and Raffaele Saggio (2018). “Leave Out Estimation of Variance Components.” <https://arxiv.org/abs/1806.01494>
- Lachowska, M., Mas, A., Saggio, R.D. and Woodbury, S.A., 2020. “Do Firm Effects Drift? Evidence from Washington Administrative Data” (No. w26653). National Bureau of Economic Research.
- Slichter, Sumner H. (1950) "Notes on the Structure of Wages." *Review of Economics and Statistics*: 80-91.

14 Labor market power and monopsony (Lectures 19, 20)

14.1 Main papers

- Berger, David, Kyle Herkenhoff, and Simon Mongey (2019). “Labor market power”. NBER Working Paper.
- Card, D., Cardoso, A.R., Heining, J. and Kline, P. (2018). “Firms and labor market inequality: Evidence and some theory.” *Journal of Labor Economics* 36(S1), pp. S13-S70
- Dube, A., Jacobs, J., Naidu, S. and Suri, S., (forthcoming). “Monopsony in online labor markets.” *American Economic Review: Insights*.
- Jarosch, Gregor, Jan Sebastian Nimcsik, and Isaac Sorkin (2019) “Granular Search, Market Structure, and Wages,” NBER Working Paper No. 26239.
- Lamadon, T., Mogstad, M., & Setzler, B (2019) “Imperfect Competition, Compensating Differentials and Rent Sharing in the US Labor Market” (No. w25954). National Bureau of Economic Research.
- Rinz, K. (2018). “Labor market concentration, earnings inequality, and earnings mobility.” Center for Administrative Records Research and Applications Working Paper, 10.
- Staiger, D. O., J. Spetz, and C. S. Phibbs (2010): “Is There Monopsony in the Labor Market? Evidence from a Natural Experiment,” *Journal of Labor Economics*, 28, 211–236.

14.2 Useful references

- Arnold, David (2019) "Mergers and Acquisitions, Local Labor Market Concentration, and Worker Outcomes." Working Paper.
- Azar, José, Ioana Marinescu, and Marshall I. Steinbaum (2017) “Labor Market Concentration.” NBER WP 24147.
- Azar, José A., Ioana Marinescu, Marshall I. Steinbaum, and Bledi Taska (2018) “Concentration in US Labor Markets: Evidence From Online Vacancy Data.” NBER WP w24395.

- Bagger, J., Christensen, B.J. and Mortensen, D.T., (2015). “Wage and labor productivity dispersion: The roles of total factor productivity, labor quality, capital intensity, and rent sharing.” Working Paper.
- Benmelech, E., Bergman, N. and Kim, H. (2018). “Strong Employers and Weak Employees: How Does Employer Concentration Affect Wages?” (No. w24307). National Bureau of Economic Research.
- Brenzel, H., H. Gartner, and C. Schnabel (2014). Wage Bargaining or Wage Posting? Evidence from the Employers’ Side. *Labour Economics* 29, 41–48.
- Burdett, K. and D. T. Mortensen (1998). Wage differentials, employer size, and unemployment. *International Economic Review* 39(2), 257–273.
- Cahuc, P., F. Postel-Vinay, and J.-M. Robin (2006). “Wage Bargaining with On-the-job Search: Theory and Evidence.” *Econometrica* 74(2), 323–364.
- Caldwell, S. and Oehlsion, E. (2019). “Monopsony and the Gender Wage Gap: Experimental Evidence from the Gig Economy,” Working Paper.
- Caldwell, S. and N. Harmon (2018). “Outside Options, Wages, and Bargaining: Evidence from Coworker Networks.” Working Paper.
- Hall, R. E. and A. B. Krueger (2012). Evidence on the Incidence of Wage Posting, Wage Bargaining, and On-the-Job Search. *American Economic Journal: Macroeconomics* 4(4), 56–67.
- Krueger, Alan B., and Lawrence H. Summers. "Efficiency wages and the inter-industry wage structure." *Econometrica: Journal of the Econometric Society* (1988): 259-293.
- Lipsius, Ben (2018). “Labor Market Concentration Does Not Explain the Falling Labor Share.” <https://ideas.repec.org/p/jmp/jm2018/pli1202.html>
- Manning, Alan. 2003. “Monopsony in Motion.” Cambridge: MIT Press (see especially chapters 1 and 2).
- Alan, M., 2011. Imperfect competition in the labor market. *Handbook of Labor Economics* (Vol. 4, pp. 973-1041). Elsevier.
- Matsa, David A. 2010. “Capital Structure as a Strategic Variable: Evidence from Collective Bargaining.” *Journal of Finance*, 65(3), 1197-1232.
- Marx, M. (2011): “The Firm Strikes Back: Non-Compete Agreements and the Mobility of Technical Professionals,” *American Sociological Review*, 76, 695–712.
- Naidu, Suresh, Yaw Nyarko, and Shing-Yi Wang. 2015. “Monopsony Power in Migrant Labor Markets: Evidence from the United Arab Emirates.” *Journal of Political Economy*, 124 (6), 1735–92.
- Naidu, Suresh, and Noam Yuchtman. 2013. “Coercive Contract Enforcement: Law and the Labor Market in Nineteenth Century Industrial Britain.” *American Economic Review*, 103 (1): 107–144.

- Schmitz, James A. Jr. 2005. “What Determines Productivity? Lessons from the Dramatic Recovery of the U.S. and Canadian Iron Ore Industries Following their Early 1980s Crisis.” *Journal of Political Economy*, 113(3), 582-625.
- Starr, E., Bishara, N. and Prescott, J., 2015. Noncompetes in the US labor force. Manuscript, Soc. Sci. Res. Network. <http://ssrn.com/abstract/p2625714>.

15 Rent sharing in the labor market (Lecture 21)

15.1 Main papers

- Abowd, John and Thomas Lemieux (1993) “The effects of product market competition on collective bargaining agreements: The case of foreign competition in Canada,” *Quarterly Journal of Economics* 108(4): 983-1014.
- Black, Sandra and Philip Strahan (2001) “The division of the spoils: Rent-sharing and discrimination in a regulated industry,” *American Economic Review* 91(4): 814-831.
- Kline, Patrick, Neviana Petkova, Heidi Williams, and Owen Zidar (forthcoming), “Who Profits from Patents? Rent-sharing at innovative firms.” *Quarterly Journal of Economics*.
- Rose, Nancy (1987) “Labor rent sharing and regulation: Evidence from the trucking industry,” *Journal of Political Economy* 95(6): 1146-1178.
- Van Reenen, John (1996) “The creation and capture of rents: Wages and innovation in a panel of UK companies,” *Quarterly Journal of Economics* 111(1): 195-226.

15.2 Key references

- Cho, David (2018) “The Labor Market Effects of Demand Shocks: Firm-Level Evidence from the Recovery Act.” Working Paper.
- Brown, James N., and Orley Ashenfelter. (1986). "Testing the efficiency of employment contracts." *Journal of political economy* 94, no. 3, Part 2: S40-S87.
- Jäger, Simon (2016), “How Substitutable Are Workers? Evidence from Worker Deaths.” Working Paper.
- Katz, Lawrence and Lawrence Summers (1989) “Industry rents: Evidence and implications,” *Brookings Papers on Economic Activity: Microeconomics*: 209-275.
- Risch, Max (2019) “Does Taxing Business Owners Affect Employees? Evidence from a Change in the Top Marginal Tax Rate.” Working Paper.
- Silverio, Filipe and Andrew Garin (2019) “How Responsive are Wages to Demand within the Firm? Evidence from Idiosyncratic Export Demand Shocks.” Working Paper.
- Slichter, Sumner (1950) “Notes on the structure of wages,” *Review of Economics and Statistics* 32(1): 80-91.

- Oi, Walter Y. (1962) "Labor as a quasi-fixed factor." *Journal of Political Economy*, 70, no. 6: 538-555.
- Dafny, Leemore (2010) "Are health insurance markets competitive?" *American Economic Review* 100(4): 1399-1431.

16 Management practices and firm productivity (Lecture 22)

16.1 Main papers

- Bertrand, Marianne and Antoinette Schoar (2003) "Managing with style: The effect of managers on firm policies," *Quarterly Journal of Economics* 118(4): 1169-1208.
- Bloom, Nicholas and John Van Reenen (2007) "Measuring and explaining management practices across firms and countries," *Quarterly Journal of Economics* 122(4): 1351-1408.
- Bender, S., Bloom, N., Card, D., Van Reenen, J., & Wolter, S. (2018). "Management practices, workforce selection, and productivity." *Journal of Labor Economics*, 36(S1), S371-S409.

16.2 Key references

- Bloom, Nicholas and John Van Reenen (2011) "Human resource management and productivity," Chapter 19 in *Handbook of Labor Economics Volume 4B*, Orley Ashenfelter and David Card (editors): 1697-1768.
- Bloom, Nicholas, Benn Eifert, Aprajit Mahajan, David McKenzie, and John Roberts (2013) "Does management matter? Evidence from India," *Quarterly Journal of Economics* 128(1): 1-51.
- Bloom, Nicholas, Carol Propper, Stephan Seiler, and John Van Reenen (2015) "The Impact of Competition on Management Quality: Evidence from Public Hospitals." *Review of Economic Studies* Vol. 82, No. 2 (2015): 457-489.
- He, Alex Xi and Daniel le Maire (2018) "Mergers and Managers: Manager-Specific Wage Premiums and Rent Extraction in M&As" MIT Working Paper, <https://economics.mit.edu/files/16213>

17 Labor market institutions: unions and bargaining power (Lecture 23)

17.1 Main papers

- Card, David, Thomas Lemieux, and W. Craig Riddell. (2004). "Unions and wage inequality." *Journal of Labor Research* 25, no. 4: 519-559.
- DiNardo, John and David S. Lee. 2004. "Economic Impacts of New Unionization on Private Sector Employers: 1984-2001" *Quarterly Journal of Economics*, 119(4), 1383-1441.
- Farber, H. S., Herbst, D., Kuziemko, I., & Naidu, S. (2018). "Unions and inequality over the twentieth century: New evidence from survey data." NBER WP No. w24587.

- Frandsen, Brigham (2014). “The Surprising Impacts of Unionization: Evidence from Matched Employer-Employee Data,” Working paper.
- Fortin, N., Lemieux, T., and Lloyd, N. (2019). “Labor Market Institutions and the Distribution of Wages: The Role of Spillover Effects.” Working Paper.
- Lee, David S. and Alexandre Mas. 2012. “Long-Run Impacts of Unions on Firms: New Evidence from Financial Markets, 1961-1999.” *Quarterly Journal of Economics*, 127(1), 333-378.

17.2 Useful references

- Card, David. 1990. “Unexpected Inflation, Real Wages, and Employment Determination in Union Contracts.” *American Economic Review*, 80(4), 669–688.
- Card, David, Thomas Lemieux, and W. Craig Riddell. (2018) "Unions and Wage Inequality: The Roles of Gender, Skill and Public Sector Employment." NBER Working paper No. 25313.
- DiNardo, John, Nicole M. Fortin, and Thomas Lemieux. (1996). “Labor market institutions and the distribution of wages, 1973-1992: A semiparametric approach” *Econometrica* 64, no. 5: 1001-1044
- Dube, A., Kaplan, E., & Thompson, O. (2016). “Nurse unions and patient outcomes.” *ILR Review*, 69(4), 803-833.
- Feigenbaum, James, Alexander Hertel-Fernandez, and Vanessa Williamson. (2018). “From the Bargaining Table to the Ballot Box: Political Effects of Right to Work Laws.” NBER Working Paper 24259.
- Firpo, Sergio, Nicole M. Fortin, and Thomas Lemieux. (2009). "Unconditional quantile regressions." *Econometrica* 77, no. 3 : 953-973.
- Freeman, Richard B. (1980). “Unionism and the Dispersion of Wages.” *ILR Review* 34 (3):3-23.
- Freeman, Richard B. (1984) “Longitudinal Analyses of the Effects of Trade Unions.” *Journal of Labor Economics* 2 (28): 1-26.
- Freeman, Richard B., Medoff, James L. (1984) *What Do Unions Do?* New York: Basic Books.
- Freeman, R. B., & Kleiner, M. M. (1990). “The impact of new unionization on wages and working conditions.” *Journal of Labor Economics*, 8(1, Part 2), S8-S25.
- Freeman, Richard B., and James L. Medoff. (1981). "The impact of the percentage organized on union and nonunion wages." *The Review of Economics and Statistics*: 561-572.
- Jäger, Simon, Benjamin Schoefer and Jörg Heining (2019). “Labor in the Boardroom.” Working Paper.

- Lawson, Nicholas P. (2011). “Is Collective Bargaining Pareto Efficient? A Survey of the Literature.” *Journal of Labor Research*, 32(3), 282–304.
- Lewis, H. Gregg. (1963). *Unionism and Relative Wages in the United States: An Empirical Inquiry*. Chicago: University of Chicago Press.
- Western, B., & Rosenfeld, J. (2011). “Unions, norms, and the rise in US wage inequality.” *American Sociological Review*, 76(4), 513-537.

18 Labor market institutions: minimum wage (Lecture 24)

18.1 Main papers

- Autor, D., Manning, A., & Smith, C. L. (2016). “The contribution of the minimum wage to US wage inequality over three decades: a reassessment.” *American Economic Journal: Applied Economics*, 8(1), 58-99.
- Cengiz, D., Dube, A., Lindner, A., & Zipperer, B. (2019). “The effect of minimum wages on low-wage jobs.” *Quarterly Journal of Economics*, 134(3), 1405-1454.
- Clemens, Jeffrey, and Michael Wither. (2019) "The minimum wage and the Great Recession: Evidence of effects on the employment and income trajectories of low-skilled workers." *Journal of Public Economics* 170: 53-67.
- Harasztosi, Peter, and Attila Lindner (2019) "Who Pays for the Minimum Wage?" *American Economic Review*, 109 (8): 2693-2727.
- Horton, John J. (2018) "Price floors and employer preferences: Evidence from a minimum wage experiment." Working Paper.

18.2 Useful references

- Aaronson, Daniel, et al. (2018) "Industry dynamics and the minimum wage: a putty-clay approach." *International Economic Review* 59(1):51-84.
- Allegretto, S., Dube, A., Reich, M., and Zipperer, B. (2017) “Credible Research Designs For Minimum Wage Studies: A Response To Neumark, Salas, And Wascher.” *ILR Review*, vol. 70(3), p. 559-592
- Bailey, M., DiNardo, J., and Stuart, B. (2018) “The Economic Impact of a High National Minimum Wage: Evidence from the 1966 Fair Labour Standards Act.” Working Paper.
- Card, D., and Krueger, A. (1994) “Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania.” *American Economic Review* 84(4), p.772-793.
- Dube, A. (2019) “Minimum Wages and the Distribution of Family Incomes.” *American Economic Journal: Applied Economics* 41(4): 268-304.

- Dube, A., Lester, T.W., and Reich, M., (2010) “Minimum Wage Effects Across State Borders: Estimates Using Contiguous Counties.” *The Review of Economics and Statistics* 92(4): 945-964.
- Dube, A., Lester, T.W., and Reich, M., (2016) ‘Minimum Wage Shocks, Employment Flows and Labor Market Frictions’, *Journal of Labor Economics*, vol. 34(3), p. 663 - 704
- Derenoncourt, E., and Montialoux, C. (2019) “Minimum Wage and Racial Inequality.” Working Paper.
- Dustmann, Christian, et al. (2019) “Reallocation Effects of the Minimum Wage: Evidence From German.” Working Paper.
- Engbom, Niklas, and Christian Moser. (2018) "Earnings inequality and the minimum wage: Evidence from Brazil." Federal Reserve Bank of Minneapolis Working Paper 7: 18-50.
- Godoy , A., and Reich, M., (2019) ‘Minimum Wage Effects in Low-Wage Areas’, IRLE Working Paper No.106-19
- Jardim, Ekaterina, et al. (2017) “Minimum wage increases, wages, and low-wage employment: Evidence from Seattle.” NBER WP No. w23532.
- Jardim, E., Long, M., Plotnick, R., van Inwegen, E., Vigdor, J., and Wething, H., (2018b) ‘Minimum Wage Increases and Individual Employment Trajectories’, NBER Working Paper No. 25182
- Katz, L., and Krueger, A., (1992) ‘The Effect Of The Minimum Wage On The Fast Food Industry’, *Industrial and Labor Relations Review*, vol. 46(1), p. 6-21.
- Lee, D. S. (1999). Wage inequality in the United States during the 1980s: Rising dispersion or falling minimum wage?. *The Quarterly Journal of Economics*, 114(3), 977-1023.
- Meer, Jonathan, and Jeremy West. (2015) "Effects of the minimum wage on employment dynamics." *Journal of Human Resources* 51(2): 500-522.
- Neumark, D., and Wascher, W., (1992) ‘Employment effects of minimum and subminimum wages: panel data on state minimum wage laws’, *ILR Review*, vol. 46(1), p. 55-81
- Neumark, D., and Wascher, W., (2000) ‘Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania’, *American Economic Review*, vol. 90(5),1362-1396
- Neumark, D., Salas, J. I., and Wascher, W. (2014). “Revisiting the Minimum Wage—Employment Debate: Throwing Out the Baby with the Bathwater?” *ILR Review*, 67(3), 608-648.
- Manning, Alan (2016) "The elusive employment effect of the minimum wage." Working Paper.
- Monras, J., (2019) “Minimum Wages and Spatial Equilibrium: Theory and Evidence.” *Journal of Labor Economics*, vol. 37(3), p. 853-904
- Sorkin, I., (2015) ‘Are there long-run effects of the minimum wage?’ *Review of Economic Dynamics*, vol. 18(2), p. 306-333

19 Fairness concerns and social preferences at the workplace (Lecture 25)

19.1 Main papers

- Bandiera, Oriana, Iwan Barankay, and Imran Rasul (2005) "Social Preferences and the Response to Incentives: Evidence From Personnel Data" *Quarterly Journal of Economics*, August 2005, 120: 917-62.
- Breza, Emily, Supreet Kaur, and Yogita Shamdasani (2017) "The morale effects of pay inequality." *Quarterly Journal of Economics* 133, no. 2: 611-663.
- Card, David, Alexandre Mas, Enrico Moretti, and Emmanuel Saez (2012) "Inequality at Work: The Effect of Peer Salaries on Job Satisfaction." *American Economic Review* 102, no. 6: 2981-3003.
- Dube, Arindrajit, Laura Giuliano, and Jonathan Leonard. (2019) "Fairness and frictions: The impact of unequal raises on quit behavior." *American Economic Review* 109, no. 2: 620-63.

19.2 Useful references

- Bandiera, Oriana, Iwan Barankay, and Imran Rasul. (2009) "Social connections and incentives in the workplace: Evidence from personnel data." *Econometrica* 77(4): 1047-1094.
- Breza, E., Kaur, S., & Krishnaswamy, N. (2019). "Scabs: The Social Suppression of Labor." Working Paper.
- Fehr, Ernst, and Klaus M. Schmidt. (1999) "A Theory of Fairness, Competition, and Cooperation." *Quarterly Journal of Economics* CXIV , 817–868.'
- Lemieux, Thomas, W. Bentley MacLeod, and Daniel Parent (2009) "Performance pay and wage inequality." *Quarterly Journal of Economics* 124(1): 1-49.
- Lazear, Edward, (2000) "Performance pay and productivity" *American Economic Review* 90(5): 1346-1361.
- Mas, Alexandre (2006) "Pay, Reference Points, and Police Performance." *Quarterly Journal of Economics* 121(3): 783-821.
- Mas, Alexandre (2008) "Labour Unrest and the Quality of Production: Evidence from the Construction Equipment Resale Market." *Review of Economic Studies* 75(1): 229-258.
- Mas, Alexandre and Moretti, Enrico (2009) "Peers at work" *American Economic Review* 99(1): 112-45.

20 Equalizing Wage Differentials (Lecture 26)

20.1 Main papers

- Maestas, N., Mullen, K.J., Powell, D., Von Wachter, T. and Wenger, J.B. (2018). “The Value of Working Conditions in the United States and Implications for the Structure of Wages.” NBER WP No. w25204.
- Mas, Alexandre, and Amanda Pallais. (2017) "Valuing alternative work arrangements." *American Economic Review* 107, no. 12: 3722-59.
- Roback, Jennifer (1982) “Wages, rents, and the quality of life,” *Journal of Political Economy* 90(6): 1257-1278.
- Rosen, Sherwin (1986) “The theory of equalizing differences,” Chapter 12 in *Handbook of Labor Economics, Volume 1*, edited by Orley Ashenfelter and Richard Layard: 641-692.
- Sorkin, I. (2018) “Ranking firms using revealed preference.” *Quarterly Journal of Economics*, 133(3), 1331-1393.

20.2 Useful references

- Brown, Charles (1980) “Equalizing differences in the labor market,” *Quarterly Journal of Economics* 94(1): 113-134.
- Fishback, Price and Shawn Kantor (1995) “Did workers pay for the passage of workers’ compensation laws?” *Quarterly Journal of Economics* 110(3): 713-742.
- Friedman, Milton and Simon Kuznets (1954) “*Income from Independent Professional Practice*,” National Bureau of Economic Research.
- Gruber, Jonathan (1994) “The incidence of mandated maternity benefits,” *American Economic Review* 84(3): 622-641.
- Gruber, Jonathan (1997) “The incidence of payroll taxation: Evidence from Chile,” *Journal of Labor Economics* 15(3): S72-S101.
- Gruber, Jonathan and Alan Krueger (1991) “The incidence of mandated employer-provided insurance: Lessons from workers’ compensation insurance,” in *Tax Policy and the Economy Volume 5*, edited by David Bradford: 111-143.
- Hamermesh, Daniel S. (1999) "Changing inequality in markets for workplace amenities," *The Quarterly Journal of Economics* 114, no. 4: 1085-1123.
- Lagos, Lorenzo (2019). “Labor Market Institutions and the Composition of Firm Compensation: Evidence from Brazilian Collective Bargaining.” Working paper.
- Lucas, Robert (1977) “Hedonic wage equations and psychic wages in the returns to schooling,” *American Economic Review* 67(4): 549-558.

- Murphy, Kevin and Robert Topel (1987) “Unemployment, risk, and earnings: Testing for equalizing differences in the labor market,” Chapter 5 in *Unemployment and the Structure of Labor Markets*, edited by Kevin Lang and Jonathan Leonard: 103-140.
- Rosen, Sherwin (1974) “Hedonic prices and implicit markets: Product differentiation in pure competition,” *Journal of Political Economy* 82(1): 34-55.
- Summers, Lawrence (1989) “Some simple economics of mandated benefits,” *American Economic Review Papers and Proceedings* 79(2): 177-183.