

Economics 611.33 Special Topics in Economics (Labour Economics II)

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Lecture Location: ZOOM
Lecture Days/Time: TR 11:00 - 12:15

Office: SS434
Office Hours: TR 9:30-10:30

(Winter 2021)

Course Description:

This is the second course in the labour economics sequence. This course aims to acquaint students with traditional and contemporary topics in labour economics and to encourage the development of independent research interests. Topics include labour supply, immigration, minimum wage policies, unions, education, intergenerational mobility, place effects and discrimination.

As part of this course, students are expected to attend departmental seminars.

Course Objectives/Learning Outcomes:

Be able to understand the determinants of labour market outcomes.
Be able to utilize applied econometrics to understand the functioning of labor markets.
By the end of the course students should be able to formulate interesting causal questions.

Prerequisites/corequisites:

Economics 301 or equivalent.

Please Note: In planning this course, I assume students are familiar with Stata or an equivalent software, which is required for this course. A programming tutorial will not be provided.

Required Textbook(s):

None.

Recommended Textbook(s):

Handbook of Labor Economics.

Online Delivery:

This course will be delivered online. Students are expected to be able to participate online in accordance with this Course Outline. Lectures, assignments, office hours, exams, readings and other course material, etc. all require online access and this access is the responsibility of the student. The instructor will make an effort to provide reasonable accommodations and flexibility as circumstances require. Students are expected to raise with the instructor at the beginning of the semester any potential concerns that require such accommodations.

In order to remotely participate in online courses, students will need to have: computer with a current and updated operating system (macOS or Windows will work with all university-supported online learning technologies), a current and updated web browser installed – the latest versions of Firefox, Safari, Chrome or Edge will help to avoid compatibility issues, secure and reliable internet, microphone / headphones, webcam (optional), scanner (or camera to scan your work).

Desire2Learn:

This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at <http://d2l.ucalgary.ca> through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. These e-mails go to your University of Calgary e-mail addresses only.

Lectures:

Lectures will be delivered online at the Registrar scheduled times and delivered using ZOOM. The lectures will be recorded and subsequently posted to D2L.

Grade Determination/Assessment:

| | |
|------------------|------------|
| Assignments (3) | 30% |
| Research project | 20% |
| Presentation | 10% |
| Final Exam | <u>40%</u> |
| | 100% |

Grade Determination and Final Examination Details

Department of Economics Criteria for Letter Grades. Economics professors use the following criteria when assigning letter grades:

| Grade | Grade Point Value | Description |
|-------|-------------------|---|
| A+ | 4.00 | Outstanding |
| A | 4.00 | Excellent-superior performance, showing-comprehensive understanding of subject matter |
| A- | 3.70 | Very good performance |
| B+ | 3.30 | Good performance |
| B | 3.00 | Satisfactory performance |
| B- | 2.70 | Minimum pass for students in the Faculty of Graduate Studies |
| C+ | 2.30 | All grades below “B-” are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements. Individual programs may require a higher passing grade. |

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

The final examination will be take-home, comprehensive, and scheduled by the Registrar. Students will download the exam from D2L, complete the exam, scan it, and submit using Dropbox in D2L. Student will have 50% more time to complete the exam, at a time of their choosing, within the 24-hour period

that begins 24 hours before the end date of the Registrar's scheduled final exam for this course. The exam is designed and intended to be completed in two hours. The exam will be open book.

Tests and exams WILL NOT involve multiple choice questions.

Absence from a Test/Exam

THERE WILL BE NO MAKEUP OR DEFERRED QUIZZES under any circumstances, nor may the quizzes be written early. Students unable to write the quizzes because of documented illness, family emergency, religious observance, or university-sanctioned event will have the weight shifted to the final examination; otherwise a grade of zero will be assigned. If a student cannot write their final exam on the date assigned by the Department, they need to arrange for a deferred exam with the department.

Reappraisal of Grades and Intellectual Honesty:

For reappraisal of graded term work, see Calendar I.2

<http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

For reappraisal of final grade, see Calendar I.3

<http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior that compromises proper assessment of students' academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

Student committing academic misconduct during the final exam will not receive a passing grade on the course.

For information on the Student Academic Misconduct Policy and Procedure please visit:

<https://ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>

<https://ucalgary.ca/policies/files/policies/student-academic-misconduct-procedure.pdf>

Additional information is available on the Academic Integrity Website at <https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

Academic Accommodations:

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf>.

Freedom of Information and Protection of Privacy (FOIP) Act:

Personal information is collected in accordance with FOIP. Assignments can only be returned to the student and will be accessible only to authorized faculty and staff. For more information, see

<http://www.ucalgary.ca/legalservices/files/legalservices/faq-students.pdf> and

http://www.ucalgary.ca/legalservices/files/legalservices/faq-faculty_0.pdf.

Internet and Electronic Communication Device information:

The use of cell phones for any purpose in class is prohibited. Computers and tablets may be used for note taking only unless otherwise authorized by the instructor.

Copyright Legislation:

See the University of Calgary policy on Acceptable Use of Material Protected by Copyright at www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf. Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Recording of Lectures:

Recording of lectures is prohibited, except for audio recordings authorized as an accommodation by SAS or an audio recording for individual private study and only with the written permission of the instructor. Any unauthorized electronic or mechanical recording of lectures, their transcription, copying, or distribution, constitutes academic misconduct. See <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>.

Important Dates:

Please check: <http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>

Student Organizations:

Faculty of Grad Studies website: <http://grad.ucalgary.ca/home>

Graduate Students Association: <http://gsa.ucalgary.ca/>

Professional Development for Grad Students

Workshops and resources can be found at <http://www.ucalgary.ca/mygradskills/>

Economics Graduate Association: <http://econ.ucalgary.ca/ega/>

Student Support and Resources:

- See <https://www.ucalgary.ca/registrar/registration/course-outlines> for information on campus mental health resources, the Student Ombuds' Office, Student Success Centre, Safewalk, and Emergency Evacuation and Assembly.
- Online writing resources are available at <https://ucalgary.ca/student-services/student-success/writing-support>.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Library Block.

Notes:

Students are responsible for all assigned material, e.g., supplementary material posted on D2L, regardless of whether or not the material was covered in class.

Reading List**1. Labour Supply**

- Angrist, Joshua, and William Evans. "Children and Their Parents' Labor Supply: Evidence from Exogenous Variation in Family Size." *American Economic Review* 88.3 (1998): 450-77.
- Angrist, Joshua D., Sydnee Caldwell, and Jonathan V. Hall. Uber vs. taxi: A driver's eye view. No. w23891. National Bureau of Economic Research, 2017.

- Ashenfelter, Orley, and Mark W. Plant. "Nonparametric estimates of the labor-supply effects of negative income tax programs." *Journal of Labor Economics* 8.1, Part 2 (1990): S396-S415.
- Baker, Michael, Jonathan Gruber, and Kevin Milligan, 2008. "Universal Child Care, Maternal Labor Supply, and Family Well-Being," *Journal of Political Economy*, 116(4), pages 709-745.
- Blau, Francine D., and Lawrence M. Kahn. "Changes in the labor supply behavior of married women: 1980–2000." *Journal of Labor Economics* 25.3 (2007): 393-438.
- Camerer, Colin, Babcock, Linda, Loewenstein, George and Thaler, Richard, 1997. "Labor Supply of New York City Cab Drivers: One Day At A Time," *The Quarterly Journal of Economics*, 112(2), pages 407-441.
- Card, David. *Intertemporal labor supply: An assessment*. No. w3602. National Bureau of Economic Research, 1991.
- Card, David and Dean R. Hyslop. "Estimating the Effects of a Time-Limited Earnings Subsidy for Welfare-Leavers." *Econometrica* 73 (6), 2005, 1723–1770
- Cesarini, David, Erik Lindqvist, Matthew J. Notowidigdo and Robert Ostling, 2017. "The Effect of Wealth on Individual and Household Labor Supply: Evidence from Swedish Lotteries," *American Economic Review*, 107(12), pages 3917-3946.
- Chetty, R., J. Friedman, T. Olsen and L. Pistaferri "Adjustment Costs, Firms Responses, and Micro vs. Macro Labor Supply Elasticities: Evidence from Danish Tax Records", *Quarterly Journal of Economics*, 126(2), 2011, 749-804.
- Chetty, Raj, John N. Friedman, and Emmanuel Saez. "Using Differences in Knowledge across Neighborhoods to Uncover the Impacts of the EITC on Earnings." *American Economic Review* 103.7 (2013): 2683-2721.
- Chetty, Raj and Emmanuel Saez, 2013. "Teaching the Tax Code: Earnings Responses to an Experiment with EITC Recipients," *American Economic Journal: Applied Economics*, vol. 5(1), pages 1-31.
- Eissa, N. and J. Leibman, "Labor Supply Response to the Earned Income Tax Credit," *Quarterly Journal of Economics* 111 (2), May 1996.
- Farber, Henry S. "Reference-dependent preferences and labor supply: The case of New York City taxi drivers." *American Economic Review* 98.3 (2008): 1069-82.
- Farber, Henry S. "Why you can't find a taxi in the rain and other labor supply lessons from cab drivers." *The Quarterly Journal of Economics* 130.4 (2015): 1975-2026.
- Fehr, Ernst, and Lorenz Goette. 2007. "Do Workers Work More if Wages Are High? Evidence from a Randomized Field Experiment." *American Economic Review*, 97 (1): 298-317.
- Imbens, Guido W., Donald B. Rubin, and Bruce I. Sacerdote. "Estimating the effect of unearned income on labor earnings, savings, and consumption: Evidence from a survey of lottery players." *American economic review* 91.4 (2001): 778-794.
- Kleven, Henrik. **The EITC and the extensive margin: A reappraisal**. No. w26405. National Bureau of Economic Research, 2019.
- Lemieux, Thomas, and Kevin Milligan. "Incentive effects of social assistance: A regression discontinuity approach." *Journal of Econometrics* 142.2 (2008): 807-828.
- MaCurdy, Thomas E. "An empirical model of labor supply in a life-cycle setting." *Journal of Political Economy* 89.6 (1981): 1059-1085.

- **Mas, Alexandre, and Amanda Pallais. "Valuing alternative work arrangements." *American Economic Review* 107.12 (2017): 3722-59.**
- Mas, Alexandre, and Amanda Pallais. "Labor Supply and the Value of Non-Work Time: Experimental Estimates from the Field." *American Economic Review: Insights* 1.1 (2019): 111-26.
- McClelland, Robert, and Shannon Mok. "A review of recent research on labor supply elasticities." (2012).
- Oettinger, Gerald S. "An empirical analysis of the daily labor supply of stadium vendors." *Journal of Political Economy* 107.2 (1999): 360-392.
- Rothstein, Jesse. "Is the EITC as good as an NIT? Conditional cash transfers and tax incidence." *American Economic Journal: Economic Policy* 2.1 (2010): 177-208.

2. Labour Demand

- Angrist, J. "Short-Run Demand for Palestinian Labor," *Journal of Labor Economics*, July 1996.
- Hamermesh, D., *Labor Demand*, Princeton, NJ: Princeton University Press.
- Hamermesh, Daniel S., and Stephen J. Trejo. "The demand for hours of labor: Direct evidence from California." *Review of economics and statistics* 82.1 (2000): 38-47.

3. Minimum wages

- Allegretto, Sylvia, et al. "Credible research designs for minimum wage studies: A response to Neumark, Salas, and Wascher." *ILR Review* 70.3 (2017): 559-592.
- Autor, D., Alan Manning, and Christopher L. Smith. "The contribution of the minimum wage to US wage inequality over three decades: a reassessment." *American Economic Journal: Applied Economics* 8.1 (2016): 58-99.
- **Card, D., and Alan Krueger. "Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania." *The American Economic Review* 84.4 (1994): 772-793.**
- **Cengiz, Doruk, et al. "The effect of minimum wages on low-wage jobs." *The Quarterly Journal of Economics* 134.3 (2019): 1405-1454.**
- Dickens, Richard, Stephen Machin, and Alan Manning. "The effects of minimum wages on employment: Theory and evidence from Britain." *Journal of Labor Economics* 17.1 (1999): 1-22.
- **DiNardo, John, Nicole M. Fortin, and Thomas Lemieux. "Labor Market Institutions and the Distribution of Wages, 1973-1992: A Semiparametric Approach." *Econometrica* 64.5 (1996): 1001-1044.**
- Dube, Arindrajit, T. William Lester, and Michael Reich. "Minimum wage effects across state borders: Estimates using contiguous counties." *The review of economics and statistics* 92.4 (2010): 945-964.
- Lee, David S. "Wage inequality in the United States during the 1980s: Rising dispersion or falling minimum wage?." *The Quarterly Journal of Economics* 114.3 (1999): 977-1023.
- Neumark, David, JM Ian Salas, and William Wascher. "Revisiting the minimum wage—employment debate: throwing out the baby with the bathwater?." *ILR Review* 67.3_suppl (2014): 608-648.

4. Immigration

- Altonji, Joseph G., and David Card. "The effects of immigration on the labor market outcomes of less-skilled natives." *Immigration, trade, and the labor market*. University of Chicago Press, 1991. 201-234.
- **Borjas, George J. "The labor demand curve is downward sloping: Reexamining the impact of immigration on the labor market." *The Quarterly Journal of Economics* 118.4 (2003): 1335-1374.**
- **Card, D. (1990) "The Impact of the Mariel Boatlift on the Miami Labor Market," *Industrial and Labor Relations Review*.**
- Card, David. "Immigrant inflows, native outflows, and the local labor market impacts of higher immigration." *Journal of Labor Economics* 19.1 (2001): 22-64.
- Card, David. "Immigration and inequality." *American Economic Review* 99.2 (2009): 1-21.
- Card, David. "Comment: The elusive search for negative wage impacts of immigration." *Journal of the European Economic Association* 10.1 (2012): 211-215.
- Clemens, Michael A., and Jennifer Hunt. "The labor market effects of refugee waves: reconciling conflicting results." *ILR Review* 72.4 (2019): 818-857.
- **Dustmann, Christian, Uta Schonberg and Jan Stuhler, 2017. "Labor Supply Shocks, Native Wages, and the Adjustment of Local Employment," *The Quarterly Journal of Economics*, 132(1), pages 435-483.**
- Friedberg, Rachel. "The Impact of Mass Migration on the Israeli Labor Market." *Quarterly Journal of Economics* 117, no. 4 (2001): 1373-1408.
- **Ottaviano, Gianmarco, and Giovanni Peri. "Rethinking the effect of immigration on wages." *Journal of the European economic association* 10.1 (2012): 152-197.**
- Peri, Giovanni, and Vasil Yassenov. "The Labor Market Effects of a Refugee Wave Synthetic Control Method Meets the Mariel Boatlift." *Journal of Human Resources* 54.2 (2019): 267-309.

5. Unions

- Card, David. "The effect of unions on the structure of wages: A longitudinal analysis." *Econometrica* (1996): 957-979.
- Card, David, Thomas Lemieux, and W. Craig Riddell. "Unions and wage inequality." *Journal of Labor Research* 25.4 (2004): 519-559.
- **Card, David, Thomas Lemieux, and W. Craig Riddell. "Unions and wage inequality: The roles of gender, skill and public sector employment." *Canadian Journal of Economics/Revue canadienne d'économie* 53.1 (2020): 140-173.**
- DiNardo, John, and David S. Lee. "Economic impacts of new unionization on private sector employers: 1984–2001." *The Quarterly Journal of Economics* 119.4 (2004): 1383-1441.
- Grout, Paul A. "Investment and wages in the absence of binding contracts: A Nash bargaining approach." *Econometrica* (1984): 449-460.
- Lee, David S., and Alexandre Mas. "Long-run impacts of unions on firms: New evidence from financial markets, 1961–1999." *The Quarterly Journal of Economics* 127.1 (2012): 333-378.

- Lemieux, Thomas. "Unions and wage inequality in Canada and the United States." *Small differences that matter: Labor markets and income maintenance in Canada and the United States*. University of Chicago Press, 1993. 69-108.
- Lemieux, Thomas. "Estimating the effects of unions on wage inequality in a panel data model with comparative advantage and nonrandom selection." *Journal of Labor Economics* 16.2 (1998): 261-291.
- **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.

6. Inequality: Supply and Demand

- Acemoglu, Daron, and David Autor. "Skills, tasks and technologies: Implications for employment and earnings." *Handbook of labor economics*. Vol. 4. Elsevier, 2011. 1043-1171.
- Autor, David H., Lawrence F. Katz, and Melissa S. Kearney. "Trends in US wage inequality: Revising the revisionists." *The Review of economics and statistics* 90.2 (2008): 300-323.
- 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., Frank Levy, and Richard J. Murnane. "The skill content of recent technological change: An empirical exploration." *The Quarterly journal of economics* 118.4 (2003): 1279-1333.
- Autor, David, Claudia Goldin, and Lawrence Katz. "Extending the Race Between Education and Technology." (2020).
- **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.**
- **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.**
- Lemieux, Thomas. "Increasing residual wage inequality: Composition effects, noisy data, or rising demand for skill?." *American Economic Review* 96.3 (2006): 461-498.
- Lemieux, Thomas. "The changing nature of wage inequality." *Journal of population Economics* 21.1 (2008): 21-48.
- Lewis, Ethan G. 2011. "Immigration, Skill Mix, and Capital-Skill Complementarity." *Quarterly Journal of Economics*, 126(2), 1029-1069.
- Piketty, T. and Saez, E. "Income Inequality in the United States, 1913-1998," *Quarterly Journal of Economics*, 118(1), 2003, 1-39.

7. Inequality: Intergenerational mobility

- Aizer, Anna, et al. "The long-run impact of cash transfers to poor families." *American Economic Review* 106.4 (2016): 935-71.
- *Becker, Gary S., and Nigel Tomes. "An equilibrium theory of the distribution of income and intergenerational mobility." *Journal of Political Economy* 87.6 (1979): 1153-1189.*

- Becker, Gary and Nigel Tomes "Human capital and the rise and fall of families," *Journal of Labor Economics* 4, (1986) S1-S39.
- Björklund, Anders, Mikael Lindahl, and Erik Plug. "The origins of intergenerational associations: Lessons from Swedish adoption data." *The Quarterly Journal of Economics* 121.3 (2006): 999-1028.
- Black, Sandra E., Paul J. Devereux, and Kjell G. Salvanes. "Why the apple doesn't fall far: Understanding intergenerational transmission of human capital." *American economic review* 95.1 (2005): 437-449.
- Black, Sandra E., and Paul J. Devereux. Recent developments in intergenerational mobility. No. w15889. National Bureau of Economic Research, 2010.
- Black, Sandra E., et al. "Poor Little Rich Kids? The Role of Nature versus Nurture in Wealth and Other Economic Outcomes and Behaviours." *The Review of Economic Studies* (2019).
- **Chetty, Raj, et al. "Where is the land of opportunity? The geography of intergenerational mobility in the United States." *The Quarterly Journal of Economics* 129.4 (2014): 1553-1623.**
- Chetty, Raj, et al. The opportunity atlas: Mapping the childhood roots of social mobility. No. w25147. National Bureau of Economic Research, 2018.
- Connolly, Marie, Miles Corak, and Catherine Haack. "Intergenerational Mobility between and within Canada and the United States." *Journal of Labor Economics* 37.S2 (2019): S595-S641.
- Corak, Miles. 2013. "Income Inequality, Equality of Opportunity, and Intergenerational Mobility." *Journal of Economic Perspectives*, 27(3), 79–102.
- Corak, Miles, and Patrizio Piraino. "The intergenerational transmission of employers." *Journal of Labor Economics* 29.1 (2011): 37-68.
- Dahl, Molly W., and Thomas DeLeire. The association between children's earnings and fathers' lifetime earnings: estimates using administrative data. University of Wisconsin-Madison, Institute for Research on Poverty, 2008.
- Derenoncourt, Ellora (2019), "Can you move to opportunity? Evidence from the Great Migration."
- Havnes, Tarjei, and Magne Mogstad. "Is universal child care leveling the playing field?." *Journal of public economics* 127 (2015): 100-114.
- Hoynes, Hilary, Diane Whitmore Schanzenbach, and Douglas Almond. "Long-run impacts of childhood access to the safety net." *American Economic Review* 106.4 (2016): 903-34.
- Landersø, Rasmus, and James J. Heckman. "The Scandinavian fantasy: The sources of intergenerational mobility in Denmark and the US." *The Scandinavian journal of economics* 119.1 (2017): 178-230.
- Mayer, Susan E., and Leonard M. Lopoo. "Government spending and intergenerational mobility." *Journal of Public Economics* 92.1-2 (2008): 139-158.
- Mazumder, Bhashkar. "Fortunate sons: New estimates of intergenerational mobility in the United States using social security earnings data." *Review of Economics and Statistics* 87.2 (2005): 235-255.
- Oreopoulos, Philip and Marianne E. Page, 2006. "The Intergenerational Effects of Compulsory Schooling," *Journal of Labor Economics*, 24(4), pages 729-760.

- Pekkarinen, Tuomas, Roope Uusitalo, and Sari Kerr. "School tracking and intergenerational income mobility: Evidence from the Finnish comprehensive school reform." *Journal of Public Economics* 93.7-8 (2009): 965-973.
- Sacerdote, Bruce. "How large are the effects from changes in family environment? A study of Korean American adoptees." *The Quarterly Journal of Economics* 122.1 (2007): 119-157.
- Solon, Gary. "Intergenerational income mobility in the United States." *The American Economic Review* (1992): 393-408.
- Solon, Gary. *"Intergenerational mobility in the labor market." Handbook of labor economics. Vol. 3. Elsevier, 1999. 1761-1800.*
- Solon, Gary. "A model of intergenerational mobility variation over time and place." *Generational income mobility in North America and Europe 2* (2004): 38-47.
- Stuhler, Jan. A review of intergenerational mobility and its drivers. No. JRC112247. Joint Research Centre (Seville site), 2018.

8. Inequality: Place effects

- Aaronson, Daniel. "Using sibling data to estimate the impact of neighborhoods on children's educational outcomes." *Journal of Human Resources* (1998): 915-946.
- Bell, Alex, et al. "Who becomes an inventor in America? The importance of exposure to innovation." *The Quarterly Journal of Economics* 134.2 (2018): 647-713.
- Chetty, Raj, Nathaniel Hendren, and Lawrence F. Katz, 2016. **"The Effects of Exposure to Better Neighborhoods on Children: New Evidence from the Moving to Opportunity Experiment."** *American Economic Review*, 106 (4): 855-902.
- Chetty, Raj and Nathaniel Hendren, 2018. **"The Impacts of Neighborhoods on Intergenerational Mobility I: Childhood Exposure Effects,"** *The Quarterly Journal of Economics*, 133(3), pages 1107-1162.
- Chyn, Eric. "Moved to opportunity: The long-run effects of public housing demolition on children." *American Economic Review* 108.10 (2018): 3028-56.
- Damm, Anna Piil and Christian Dustmann, 2014. **"Does Growing Up in a High Crime Neighborhood Affect Youth Criminal Behavior?,"** *American Economic Review*, 104(6), pages 1806-1832
- Jacob, Brian A. "Public housing, housing vouchers, and student achievement: Evidence from public housing demolitions in Chicago." *American Economic Review* 94.1 (2004): 233-258.
- 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.
- Kling, Jeffrey R. Jeffrey B. Liebman, Lawrence F. Katz.. **"Experimental analysis of neighborhood effects,"** *Econometrica*, Vol. 75, No. 1 (January, 2007), pp. 83-119.
- Laliberte, Jean-William (2021) **"Long-term Contextual Effects in Education: Schools and Neighborhoods,"** *American Economic Journal: Economic Policy*.
- Oreopoulos, Philip. "The Long-run Consequences of Living in a Poor Neighborhood" *Quarterly Journal of Economics*, Vol. 118, No. 4, November 2003

- Yagan, Danny. "Employment hysteresis from the great recession." *Journal of Political Economy* 127.5 (2019): 2505-2558.

9. Inequality: Schooling

- Angrist, Joshua D., et al. "Leveraging lotteries for school value-added: Testing and estimation." *The Quarterly Journal of Economics* 132.2 (2017): 871-919.
- Bound, John, Michael F. Lovenheim, and Sarah Turner. "Why have college completion rates declined? An analysis of changing student preparation and collegiate resources." *American Economic Journal: Applied Economics* 2.3 (2010): 129-57.
- Chabrier, Julia, Sarah Cohodes, and Philip Oreopoulos. "What can we learn from charter school lotteries?." *Journal of Economic Perspectives* 30.3 (2016): 57-84.
- **Chetty, Raj, John N. Friedman, and Jonah E. Rockoff. "Measuring the impacts of teachers I: Evaluating bias in teacher value-added estimates." *American Economic Review* 104.9 (2014): 2593-2632.**
- Chetty, Raj, John N. Friedman, and Jonah E. Rockoff. "Measuring the impacts of teachers II: Teacher value-added and student outcomes in adulthood." *American economic review* 104.9 (2014): 2633-79.
- Chetty, Raj, et al. "Income segregation and intergenerational mobility across colleges in the united states." *The Quarterly Journal of Economics* 135.3 (2020): 1567-1633.
- Hoxby, Caroline. Peer effects in the classroom: Learning from gender and race variation. No. w7867. National Bureau of Economic Research, 2000.
- Oreopoulos, Philip, and Uros Petronijevic. The remarkable unresponsiveness of college students to nudging and what we can learn from it. No. w26059. National Bureau of Economic Research, 2019.
- Rothstein, Jesse. "Teacher quality in educational production: Tracking, decay, and student achievement." *The Quarterly Journal of Economics* 125.1 (2010): 175-214.

10. Inequality: Gender gaps and Discrimination

- Altonji, Joseph G., and Rebecca M. Blank. "Race and gender in the labor market." *Handbook of labor economics* 3 (1999): 3143-3259.
- Baker, Michael, and Marie Drolet. "A new view of the male/female pay gap." *Canadian Public Policy* 36.4 (2010): 429-464.
- Bertrand, Marianne, Emir Kamenica, and Jessica Pan. 2015. "Gender Identity and Relative Income within Households." *The Quarterly Journal of Economics*, 130 (2), 571–614.
- 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.
- Blau, Francine D., and Lawrence M. Kahn. "The gender wage gap: Extent, trends, and explanations." *Journal of Economic Literature* 55.3 (2017): 789-865.
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