

Inferencia Causal

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Objetivo del curso

Este curso tiene como objetivo estudiar las técnicas microeconómicas más comúnmente utilizadas para la evaluación de impacto de políticas públicas, con énfasis en programas sociales. Se estudiarán las distintas técnicas para evaluar programas con diseños experimentales y no experimentales, enfatizando los supuestos necesarios para la validez de cada técnica. Las principales metodologías de evaluación de impacto serán ilustradas con ejemplos tanto argentinos como internacionales.

La primera parte del curso, a cargo de María Laura Alzúa, cubre diseño de experimentos aleatorios controlados, experimentos de campo y de laboratorio. La segunda parte, a cargo de Inés Berniell, se concentra en diseños no experimentales.

Parte I: diseño de experimentos aleatorios controlados, experimentos de campo y de laboratorio (prof. María Laura Alzúa).

Evaluación para la primera parte: Los alumnos deberán realizar un pre-análisis plan correspondiente a la primera parte (será explicado en clase), pudiendo trabajar en grupos de 2.

Asistencia: en las clases se tomará lista, debiéndose contar con un 80% de presencia en las clases.

Textos sugeridos:

Abadie, Alberto y Matias D. Cattaneo. (2018). Econometric Methods for Program Evaluation Annual Review of Economics, 10:1, 465-503

Angrist, J. y J.S. Pischke. (2014). Mastering 'Metrics: The Path from Cause to Effect, Princeton University Press.

Angrist, Joshua and Jorn-Steffen Pischke. (2008) Mostly Harmless Econometrics: An Empiricists's Companion. Princeton University Press.

Cunningham, Scott. (2018). Causal Inference: The Mixtape

Gerber, A and D Green (2012) Field Experiments, W.W. Norton Company

Glennerster, R and K. Takavarasha (2013): Running Randomized Evaluations, a practical guide, Princeton University Press

Imbens G and D Rubin (2015): Causal Inference for Statistics, Social and Biomedical Sciences, Cambridge University Press

Shadish, W., Cook, T., y Campbell, D. (2002). Experimental and quasi-experimental designs for generalized causal inference. Hoghton Mifflin.

Wooldridge, Jeffrey.(2010) Econometric Analysis of Cross Section and Panel Data. Cambridge, MA: MIT Press, Second Edition.

Blogs útiles para la materia:

Blog del Banco Mundial <http://blogs.worldbank.org/impactevaluations/>

Blog de Chris Blattman <http://chrisblattman.com/>

1) **A. Introducción:**

Ayres, Ian. Super Crunchers.(2007) Bantam Books: New York. Capítulos 1 y 2.

B. El ideal experimental

Angrist, Joshua and Jorn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 2, Sections 2.1 and 2.2.

Angrist, Joshua and Alan Krueger. 1999. “Empirical Strategies in Labor Economics,” in Orley Ashenfelter and David Card, eds., Handbook of Labor Economics, Vol.3. Amsterdam: Elsevier Science.

C. Análisis de Regresión

Angrist, Joshua and Jorn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 3, Sections 3.1, 3.2 and 3.4.

D. El problema fundamental de la evaluación.

Angrist, J.D, and Alan B. Krueger, (2001), “Instrumental Variables and the Search for Identification: From Supply and Demand to Natural Experiments”, Journal of Economic Perspectives—15 (4) – 69-85.

Hamermesh, D, (1999) “The Art of Labormetrics”, NBER Working Paper, 6927

Heckman, J., Lalonde, R. y Smith, J. (1999). The economics and econometrics of active labor market programs. Handbook of Labor Economics 3A.

Imbens, Guido W. and Jeffrey M. Wooldridge, (2009) “Recent Developments in the Econometrics of Program Evaluation”, *Journal of Economic Literature*, 47:1, 5–86

McCloskey, D.N.and S. T. Ziliak, (1996), “The Standard Error of Regressions”, *Journal of Economic Literature*, 34,(1) pp. 97-114.

Ravallion, Martin, (1999) “The Mystery of the Vanishing Benefits: Ms. Speedy Analyst's Introduction to Evaluation”, World Bank Policy Research Working Paper No. 2153

2) Experimentos Aleatorios y Experimentos Naturales

Shadish, W., Cook, T., y Campbell, D. (2002). Experimental and quasi-experimental designs for generalized causal inference. Hoghton Mifflin.

Duflo, Esther, Rachel Glennerster y Michael Kremer (2006). Using Randomization in Development Economics Research: A Toolkit, BREAD Working Paper No. 136, December

Cameron, Collin and Douglas L. Miller “A Practitioner's Guide to Cluster-Robust Inference”, unpublished Manuscript

List, John, Sally Sadoff and Mathis Wagner (2010) So you want to run an experiment, now what? Some Simple Rules of Thumb for Optimal Experimental Design, NBER Working paper 15701

Aplicaciones:

Alzua, Maria Laura and Cardenas, Juan and Djebbari, Habiba, Community Mobilization Around Social Dilemmas: Evidence from Lab Experiments in Rural Mali (December 1, 2013). Available at SSRN: <http://ssrn.com/abstract=2438914>, CEDLAS Working Paper

Angelucci, M and G. De Giorgi, (2009), “Indirect Effects of an Aid Program: How Do Cash Transfers Affect Ineligibles' Consumption?”, American Economic Review, 99:1, 486–508.

Angrist, J. Bettinger, E. Bloom, E. King, E. and Kremer, M. (2002): Vouchers for Private Schooling in Colombia: Evidence from a Randomized Natural Experiment. American Economic Review, 92.

Ashraf, Nava and Bandiera, Oriana and Jack, B. Kelsey, No Margin, No Mission? A Field Experiment on Incentives for Pro-Social Tasks (February 2012). CEPR Discussion Paper No. DP8834. Available at SSRN: <http://ssrn.com/abstract=2013825>

Bertrand, M. and S. Mullainathan (2004), “Are Emily and Brendan More Employable than Latoya and Tyrone? Evidence on Racial Discrimination in the Labor Market from a Large Randomized Experiment,”, American Economic Review.

Busso, Matias y Sebastian Galiani, “The Causal Effect of Competition on Prices and Quality: Evidence from a Field Experiment”, IADB Working Paper

Card, David, Stefano Della Vigna and Ulrike Malmendier. 2011. "The Role of Theory in Experiments." *Journal of Economic Perspectives*, 25(3): 39 – 62.

Cardenas, Juan Camilo & Jeffrey Carpenter, 2008. "Behavioural Development Economics: Lessons from Field Labs in the Developing World," *Journal of Development Studies*, Taylor & Francis Journals, vol. 44(3), pages 311-338.

Chaudhuri, Ananish (2009) "Experiments in Economics: Playing Fair with Money", Taylor and Francis

Djebbari, Habiba and Jeffrey Smith, (2008) " Heterogeneous impacts in PROGRESA", *Journal of Econometrics*, 145, 64–80

Finkelstein, Amy, Sarah Taubman, Bill Wright, Mira Bernstein, Jonathan Gruber, Joseph P. Newhouse, Heidi Allen, Katherine Baicker, (2011), THE OREGON HEALTH INSURANCE EXPERIMENT: EVIDENCE FROM THE FIRST YEAR, NBER Working Paper Nro. 17190

Gertler, P. (2004): Do conditional cash transfers improve child health? Evidence from PROGRESA's control randomized experiment. *American Economic Review*, 94.

Harrison, Glenn W. and List, John A., Field Experiments (July 2004). UCF Economics Working Paper No. 03-12. Available at SSRN:
<http://ssrn.com/abstract=698961> or <http://dx.doi.org/10.2139/ssrn.698961>

Jensen, Robert T., and Nolan H. Miller. 2008. "Giffen Behavior and Subsistence Consumption." *American Economic Review*, 98(4): 1553-77. DOI: 10.1257/aer.98.4.1553

Karimi, Seyed M. (2014) The Effect of Malnutrition In Utero on Height: Ramadan as a Natural Experiment, unpublished manuscript

Kremer, Michael y Eduardo Miguel, (2004) "Worms: Education and Health Externalities in Kenya", *Econometrica*, 72, (1) 159-217

Levitt, Steve and John List. 2009. "Field Experiments in Economics: the Past, the Present and the Future." *European Economic Review*, 53(1): 1- 18.

Parker, S. and Skoufias, E. (2000): "The impact of PROGRESA on work, leisure, and time allocation", mimeo, International Food Policy Research Institute.Parker and Skoufias

3) Varios Experimentos Sociales: Cálculos de potencia estadística y muestreo, etc

Notas clases

Programa Optimal Design

Abadie, A, Chingos y West, "ENDOGENOUS STRATIFICATION IN RANDOMIZED EXPERIMENTS" Working Paper 19742

Bland, JM, (2009) "The tyranny of power: is there a better way to calculate sample size? BMJ2009;339:b3985

Bloom, Howard S, Lashawn Richburg-Hayes and Alison Rebeck Black
Using Covariates to Improve Precision Empirical Guidance for Studies That
Randomize Schools to Measure the Impacts of Educational Interventions
MDRC Working Papers on Research Methodology

Bruhn, Miriam, and David McKenzie. 2009. "In Pursuit of Balance:
Randomization in Practice in Development Field Experiments." *American Economic Journal: Applied Economics*, 1 (4): 200-232.DOI:
10.1257/app.1.4.200

LEE, SOOHYUNG and AZEEM M. SHAIKH (2013), "MULTIPLE TESTING AND HETEROGENEOUS TREATMENT EFFECTS: RE-EVALUATING THE EFFECT OF PROGRESA ON SCHOOL ENROLLMENT Journal of Applied Econometrics

McKenzie, David (2011) "Beyond Baseline and Follow-up The Case for More T in Experiments", World Bank, Working Paper

List, J, S Azeem and Yang Xu (2016) "Multiple Hypothesis Testing in Experimental Economics" NBER Working Paper No. 21875

Anderson, M (2008) Multiple Inference and Gender Differences in the Effects of Early Intervention: A Reevaluation of the Abecedarian, Perry Preschool, and Early Training Projects , Journal of the American Statistical Association -Vol. 103, No.

4) Big data and Machine learning

Notas de clase

Victor Chernozhukov & Denis Chetverikov & Mert Demirer & Esther Duflo & Christian Hansen & Whitney Newey & James Robins, 2018. "Double/debiased machine learning for treatment and structural parameters," The Econometrics Journal, vol 21(1), pages C1-C68

5) Misceláneas

Banerjee, A. and E. Duflo, (2008) "The Experimental Approach to Development Economics", Working Paper NBER, w14467

Browning, E.K, (1971) "Incentive and Disincentive Experimentation for Income Maintenance Policy Purposes", American Economic Review, Vol. 61, No. 4.

Datta, S y S. Mullainathan, (2014), "BEHAVIORAL DESIGN: A NEW APPROACH TO DEVELOPMENT POLICY", Review of Income and Wealth Series 60, Number 1

Deaton, A., (2009) "Instruments of development: Randomization in the tropics, and the search for the elusive keys to economic development", Working Paper NBER, w14690

Heckman, J. (1995), "Randomization as an Instrumental Variable", NBER Technical Working Paper Nro. 184

Heckman, J and Urzua, S, (2009) "Comparing IV with Structural Models: What Simple IV Can and Cannot Identify? NBER Working Paper 14706

Imbens, G., "Better LATE Than Nothing: Some Comments on Deaton (2009) and Heckman and Urzua (2009)", (2009)Harvard University, unpublished manuscript

Ludwig, Jens, Jeffrey R. Kling, and Sendhil Mullainathan. 2011. "Mechanism Experiments and Policy Evaluations." Journal of Economic Perspectives, 25(3): 17-38.

Ravallion, M. (2009) "Should the Randomistas Rule?", The Economists' Voice: Vol. 6 : Issue. 2, Article 6.

Rodrik, D., (2008) "The New Development Economics: We Shall Experiment, But How Shall We Learn? Unpublished manuscript, John F. Kennedy School of Government Harvard University

Parte II: Diseños no experimentales (prof. Inés Berniell).

Los temas a desarrollar incluyen:

1. Métodos de Apareamiento
2. Diferencia en Diferencias
3. Estudio de Eventos
4. Control Sintético
5. Regresión Discontinua
6. Variables Instrumentales

Material: Todo el material del curso estará disponible en un link de Dropbox que se compartirá el primer día de clase.

Evaluación: Trabajos prácticos y replicación + presentación de un artículo en clase. Para aprobar el curso también es necesario asistir como mínimo al 80% de las clases dictadas.

Bibliografía

Libros

Abadie, Alberto y Matias D. Cattaneo. (2018). Econometric Methods for Program Evaluation Annual Review of Economics, 10:1, 465-503

Angrist, J. y J.S. Pischke. (2014). Mastering 'Metrics: The Path from Cause to Effect, Princeton University Press.

Angrist, Joshua and Jorn-Steffen Pischke. (2008) Mostly Harmless Econometrics: An Empiricists's Companion. Princeton University Press.

Cunningham, Scott. (2018). Causal Inference: The Mixtape

Artículos: Las clases se basarán fuertemente en artículos académicos listados más abajo.

1) Estimadores de apareamiento

Angrist, Joshua and Jorn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 3, Section 3.3.

Angrist, J. and J. Hahn (2004). "When to Control for Covariates? Panel-Asymptotic Results for Estimates of Treatment Effects" Review of Economics and Statistics (February)

Blundell, R y M. Costa Dias, (2008) "Alternative approaches to evaluation in empirical microeconomics", The Institute for Fiscal Studies Department of Economics, UCL, cemmap working paper CWP26/08

Dehejia, Rajeev and Sadek Wahba. (1999). "Propensity Score Matching Methods for Non-experimental Causal Studies," Review of Economics and Statistics, 84(1): 151-161.

Heckman, James, Hidechiko Ichimura and Petra Todd. (1997). "Matching as an Econometric Evaluation Estimator: Evidence from Evaluating a Job Training Programme," Review of Economic Studies, 64(4): 605-654.

Hirano, K., G. Imbens and G. Ridder (2003). "Efficient Estimation of Average Treatment Effects Using the Estimated Propensity Score", Econometrica 71 (4): 1161-1189.

Ho, D., K. Imai, G. King and E. Stuart (2007). "Matching as Nonparametric Pre-processing for Reducing Model Dependence in Parametric Causal Inference", Political Analysis 15: 199-236

Imbens, G., (2004). "Nonparametric Estimation of Average Treatment Effects under Exogeneity: A Review", Review of Economics and Statistics 86 (1): 4-30

Imbens, Guido W. and Jeffrey M. Wooldridge, (2009) "Recent Developments in the Econometrics of Program Evaluation", Journal of Economic Literature, 47:1, 5–86

Lalonde, Robert. (1986). "Evaluating the Econometric Evaluations of Training Programs Using Experimental Data," American Economic Review, 76(4): 604- 620.

Rosenbaum, P. and D. Rubin (1983). "The Central Role of the Propensity Score in Observational Studies for Causal Effects, Biometrika 70 (1): 41-55

Rosenbaum, P. and R. Rubin (1984). "Reducing Bias in Observational Studies Using Subclassification on the Propensity Score "Journal of the American Statistical Association 79 (387): 516-524

Rosenbaum, Paul and Donald Rubin. (1983). "Reducing Bias in Observational Studies Using Subclassification on the Propensity Score," Journal of the American Statical Association, 79(487): 516-525.

Smith, Jeffrey and Petra Todd. (2001). "Reconciling Conflicting Evidence on the Performance of Propensity Score Matching Methods," American Economic Review, 91(2): 112-118.

Aplicaciones

Abadie, A. and Javier Gardeazabal (2003). "The Economic Costs of Conflict: A Case Study of the Basque Country", American Economic Review 93 (1): 113 132.

Angrist, Joshua D.(1998)," Estimating the Labor Market Impact of Voluntary Military Service Using Social Security Data on Military Applicants" Econometrica, 66 (2) 249-288

Dehejia, R. (2005). "Practical Propensity Score Matching (Response to Smith and Todd)", Journal of Econometrics 1-2

Dehejia, R. and S. Wahba (1999). "Causal Effects in Nonexperimental Studies: Re-evaluating the Evaluation of Training Programs", Journal of the American Statistical Association 94

Heckman, J. and J. Hotz (1989). "Choosing Among Alternative Nonexperimental Methods for Estimating the Impact of Social programs: The Case of Manpower Training", Journal of the American Statistical Association 84: 862-8.

Lalonde, R. (1986). "Evaluating the Econometric Evaluations of Training Programs with Experimental Data", American Economic Review 76: 604-620

Smith, J. and P. Todd (2001), "Reconciling Conflicting Evidence on the Performance of Propensity Score Matching Methods", American Economic Review 91

Smith, J. and P. Todd (2005). Does Matching Overcome Lalonde's Critique of Non-experimental Estimators? , Journal of Econometrics 1-2

2) Estimador de Diferencias en Diferencias y métodos longitudinales

DID Lineal:

Angrist, Joshua and Jörn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 5, Section 5.2.

Bertrand, M., Duflo, E., and Mullainathan, S. (2004): "How Much Should We Trust Differences in differences Estimates?", The Quarterly Journal of Economics, 119(1), pp.249-275.

Brewer, M. T.F. Crossley and R. Joyce, "Inference with Differences-in-Differences Revisited" IZA DP 7742.

Cameron, A.C., Gelbach, J.B. and Miller, D.L., (2008): "Bootstrap-Based Improvements for Inference with Clustered Errors", The Review of Economics and Statistics, 90 (3), 414-427.

Donald, S., and Lang, K. (2007): "Inference with Differences in Differences and Other Panel Data". The Review of Economics and Statistics, 89(2), pp.221-233.

DID no lineales:

Athey, Susan and Guido Imbens, (2006), "Identification and Inference in Nonlinear Difference-in-Differences Models", *Econometrica*, 74 (2), pp. 431-497.

Aplicaciones

Almond D, Edlund L, Palme M. (2009). Chernobyl's subclinical legacy: prenatal exposure to radioactive fallout and school outcomes in Sweden. Quarterly Journal of Economics. 124(4):1729–72

Akee, Randall K. Q., William E. Copeland, Gordon Keeler, Adrian Angold, and E. Jane Costello. 2010. "Parents' Incomes and Children's Outcomes: A Quasi-experiment Using Transfer Payments from Casino Profits." American Economic Journal: Applied Economics, 2(1): 86-115.

Almond, D., & Mazumder, B. (2008). Health capital and the prenatal environment: The effect of maternal fasting during pregnancy (No. w14428). National Bureau of Economic Research.

Card, David y Alan Krueger. (1994). "Minimum Wages and Employment: A Case Study of the Fast Food Industry in New Jersey and Pennsylvania.", American Economic Review 84.

Donohue, J ,III and S, Levitt, (2001) "The Impact of Legalized Abortion on Crime." Quarterly Journal of Economics, 116(2), pp. 379-420

Duflo, E. (2001): Schooling and labor market consequences of school construction in Indonesia: evidence from an unusual policy experiment, American Economic Review 91.

Galiani, S., Gertler, P y Schargrodsky, E. (2005). Water for Life: The Impact of the Privatization of Water Services on Child Mortality. Journal of Political Economy

Galiani, Sebastian and P. McEwan "Experimental heterogeneous effects in conditional cash transfers. Journal of Public Economics, 2013, Volume 103, pages 85-96

Garthwaite C, Gross T y Notowidigdo MJ. (2014). Public health insurance, labor supply, and employment lock. Quarterly Journal of Economics. 129(2):653–96

Jensen, R. and E. Oster, (2008), "The Power of TV: Cable Television and Women's Status in India, Quarterly Journal of Economics, forthcoming

Lundborg, Peter, Jesper Petersen y Dan-Olof Rooth. (2019). "Long-Term Effects of Childhood Nutrition: Evidence from a School Lunch Reform". Revise and resubmit, Review of Economic Studies.

3) Variables Instrumentales

Angrist, Joshua and Jorn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 6.

Blundell, R y M. Costa Dias,(2008) "Alternative approaches to evaluation in empirical microeconomics", The Institute for Fiscal Studies Department of Economics, UCL, cemmap working paper CWP26/08

Imbens G.W. and J. Angrist, (1994) "Identification and Estimation of Local Average Treatment Effects", Econometrica 63(2), 467-475.

Aplicaciones

Alzua, M.L, C. Rodríguez y E. Villa, (2009) The Quality of Life in Prisons: does education reduce in jail conflict?, CEDLAS, Working paper

Angrist, Joshua, Guido Imbens, and Donald Rubin. (1996). "Identification of Causal Effects Using Instrumental Variables," Journal of the American Statistical Association, 91: 444-455.

Angrist, Joshua and Alan Krueger. (1991). "Does Compulsory Schooling Affect Schooling and Earnings?" Quarterly Journal of Economics, 106(4): 979-1014.

Angrist, Joshua and Adriana Kugler. (2003). "Protective or Counter-Productive? Labor Market Institutions and the Effect of Immigration on EU Natives," Economic Journal, 113(488): F302-F331.

Angrist, J.D. and V. Lavy (1999),
"Using Maimonides' Rule to Estimate the Effect of Class Size on Scholastic Achievement", Quarterly Journal of Economics, 114,(2) 533-575

Butcher, Kristin and Ann Case. (1994). "The Effects of Sibling Sex Composition on Women's Education and Earnings," Quarterly Journal of Economics, 109(3): 531-564.

Heckman, James. (1997) "Instrumental Variables: A Study of Implicit Behavioral Assumptions Used in Making Program Evaluations," Journal of Human Resources, 32(3): 441-462.

Oreopoulos, P. (2006). Estimating average and local average treatment effect of education when compulsory schooling laws really matter. American Economic Review.

Lundborg, Peter, Erik Plug y Astrid Wurtz Rasmussen. (2017). "Can Women Have Children and a Career? IV Evidence from IVF Treatments". American Economic Review, 107:1611-37.

4) Regresión Discontinua

Angrist, Joshua and Jorn-Steffen Pischke. Mostly Harmless Econometrics, Chapter 6.
Cattaneo, Idrobo and Titiunik (2019): A Practical Introduction to Regression Discontinuity Designs: Volume I. Cambridge Elements: Quantitative and Computational Methods for Social Science, Cambridge University Press.

Cattaneo, Idrobo and Titiunik (2019): A Practical Introduction to Regression Discontinuity Designs: Volume II. Cambridge Elements: Quantitative and Computational Methods for Social Science, Cambridge University Press.

Hahn, Jinyoung, Petra Todd and Wilbert van der Klaauw. (2001). "Identification and Estimation of Treatment Effects with a Regression- Discontinuity Design," Econometrica, 69(1): 201-209.

Imbens, Guido & Lemieux, Thomas,(2008) "The regression discontinuity design-- Theory and applications", Journal of Econometrics, Special Issue on Regression Discontinuity Design, 142 (2).

Lee, David and Thomas Lemieux. "Regression Discontinuity Designs in Economics." Journal of Economic Literature, 2010, 48, 281–355.

Aplicaciones

Amarante, Verónica, Marco Manacorda, Edward Miguel, and Andrea Vigorito. (2016). "Do Cash Transfers Improve Birth Outcomes? Evidence from Matched Vital Statistics, Program, and Social Security Data." American Economic Journal: Economic Policy, 8 (2): 1-43.

Angrist, Joshua and Victor Lavy. (1999). "Using Maimonides' Rule to Estimate the Effect of Class Size on Scholastic Achievement," Quarterly Journal of Economics, 114(2): 533-575.

Bagues, Manuel y Pamela Campa. (2018). Can Gender Quotas in Candidate Lists Empower Women? Evidence from a Regression Discontinuity Design. CEPR Discussion Paper No. 12149, IZA Discussion Paper No. 10888.

Kugler, Adriana and Robert Sauer. (2005). "Doctors without Borders? Relicensing Requirements and Negative Selection in the Market for Physicians," Journal of Labor Economics, 23(3): 437-466.

Lindo, Jason M., Nicholas J. Sanders, and Philip Oreopoulos. (2010). "Ability, Gender, and Performance Standards: Evidence from Academic Probation." American Economic Journal: Applied Economics, 2 (2): 95-117.

Miguel, Edward, Marco Manacorda, and Andrea Vigorito, (2011) "Government Transfers and Political Support", American Economic Journal: Applied Economics, 2011, 3(3), 1-28

Black, Sandra E. (1999). Do better schools matter? Parental valuation of elementary education. Quarterly Journal of Economics, 114(2):577–599.

van der Klaauw, W and S. Chen (2007) "The Effect of Disability Insurance on Labor Supply of Older Individuals in the 1990s" Journal of Econometrics.

Verhoogen, E and M. Urquiola, (2009) "Class-Size Caps, Sorting, and the Regression Discontinuity Design." American Economic Review, v. 99 no. 1, pp. 179-215.

5) Estudios de eventos

Notas de clase.

Borusyak, Kirill y Xavier Jaravel, Revisiting Event Study Designs," Documento de trabajo (2016)

Aplicaciones

Bachas, Pierre, Paul Gertler, Sean Higgins & Enrique Seira. (2018). How Debit Cards Enable the Poor to Save More, NBER Working Paper No 23252.

Bhalotra, Sonia Rudi Rocha y Rodrigo R. Soares. (2019). Does Universalization of Healthwork? Evidence from Health Systems Restructuring and Expansion in Brazil, IZA DP No. 12111.

Berniell, Inés, Lucila Berniell, Dolores de la Mata, María Edo y Mariana Marchionni, Gender Gaps in Labor Informality: The Motherhood Effect. Documento de Trabajo, 2019

Bottan, N. and Perez-Truglia, R. (2015), "Losing my Religion: The Effects of Religious Scandals on Religious Participation and Charitable Giving," Journal of Public Economics, Vol. 129, pp. 106–119.

Dobkin, Carlos, Amy Finkelstein, Raymond Kluender, y Matthew J. Notowidigdo. (2018). "The Economic Consequences of Hospital Admissions." American Economic Review, 108 (2): 308-52.

Gentzkow, M., J. M. Shapiro, y M. Sinkinson (2011). The effect of newspaper entry and exit on electoral politics. American Economic Review 101(7), 2980–3018.

Kleven, Henrik, Camille Landais y Jakob Egholt Sogaard, Children and Gender Inequality: Evidence from Denmark, American Economic Journal: Applied Economics, forthcoming

Linden, Leigh, and Jonah E. Rockoff. 2008. "Estimates of the Impact of Crime Risk on Property Values from Megan's Laws." American Economic Review, 98(3): 1103-27.

Notowidigdo Matthew J. y Jialan Wang. (2016). "The Marginal Propensity to Consume Over the Business Cycle Tal Gross", Documento de trabajo de NBER No. 22518.

Sarsons, Heather. (2017). Interpreting Signals in the Labor Market: Evidence from Medical Referrals. Documento de Trabajo.

6) Control Sintético

Abadie, A. (2021). Using synthetic controls: Feasibility, data requirements, and methodological aspects. Journal of Economic Literature, 59(2), 391-425.

Cunningham, S. (2021). Causal inference: The mixtape. Yale university press.

Aplicaciones

Abadie, A., Diamond, A., and Hainmueller, J. (2010). Synthetic control methods for comparative case studies: Estimating the effect of California's tobacco control program. Journal of the American statistical Association, 105(490), 493-505.

Bohn, S., Lofstrom, M., and Raphael, S. (2014). Did the 2007 Legal Arizona Workers Act reduce the state's unauthorized immigrant population?. *Review of Economics and Statistics*, 96(2), 258-269.

Peri, G., and Yasenov, V. (2019). The labor market effects of a refugee wave synthetic control method meets the Mariel boatlift. *Journal of Human Resources*, 54(2), 267-309.

Pinotti, P. (2015). The economic costs of organised crime: Evidence from Southern Italy. *The Economic Journal*, 125(586), F203-F23