

Tomás Rau

CONTACT INFORMATION

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ACADEMIC POSITIONS

Department of Economics, Pontificia Universidad Católica de Chile
Full Professor, 2022-present
Chair, 2020-present
Graduate Programs Director, 2019 - 2020
Associate Professor, 2015 - 2022
Assistant Professor, 2010 - 2015
Center for Labor Economics, University of California-Berkeley
Visiting Professor, 2013, Fall.
Department of Economics, Universidad de Chile
Assistant Professor, 2007- 2010

OTHER AFFILIATIONS

Research Fellow, Institute for Labor Studies, IZA, 2020 - Present

FIELDS OF INTEREST

Econometrics, Labor Economics, and Development Economics

EDUCATION

University of California, Berkeley, California, USA
Ph.D in Economics, 2007
M.A. in Statistics, 2005

Ph.D. Tesis Title: “Essays on Applied Semiparametric Econometrics”
Thesis Committee: David Card, James L. Powell, David R. Brillinger

Universidad de Chile, Santiago, Chile
M.A. in Economics, 1999
B.A. in Economics, 1999

ACADEMIC DISTINCTIONS AND AWARDS

2020	The Biennial Excellence in Teaching Award, Instituto de Economía UC, 2018-2019
2019	Excellence in Teaching Award (PRED), Pontificia Universidad Católica de Chile
2018	The Biennial Excellence in Teaching Award, Instituto de Economía UC, 2016-2017
2015	Ralph C. d' Arge and Allen V. Kneesse Award for Outstanding Publication in the <i>Journal of the Association of Environmental and Resource Economists</i> .
2012 - 2019	Excellence in Teaching Award based on Teaching Evaluations, semesters: 2019-1, 2018-2, 2018-1, 2017-2, 2017-1, 2016-1, 2014-2, 2014-1 y 2012-2. Instituto de Economía UC
2006	U.C. Berkeley Institute for Business and Economic Research, Dissertation grant

2005	Dean's Normative Time Fellowship, U.C. Berkeley. Dissertation grant
2001 - 2004	Presidente de la República Scholarship, MIDEPLAN, Government of Chile
2001 - 2003	Fulbright Fellowship
1999	Best final degree in Economics, School of Business and Economics, U. de Chile
1999	Best final degree in Economics, Alumni Association (ICU, U. de Chile)
1998 -1999	Graduate Fellowship, Universidad de Chile
1997 - 1999	Best undergraduate student in Economics (<i>Cuadro de Honor</i>), U. de Chile

GRANTS

2022 - 2024	Millennium Nucleus "Intergenerational Mobility" (principal researcher), NCS2021.072
2020 - 2022	Fondecyt Grant "Teacher Value-added and Student Outcomes," N. 1200849
2017 - 2019	Fondecyt Grant "The effect of firms' pay policies on the gender wage gap," N. 1171128
2014 - 2016	Fondecyt Grant "Effects of Zero Tolerance Laws on Drinking and Driving," N. 1141093
2013	Proyecto Puente Grant "Effects of Zero Tolerance Laws on Drinking and Driving"
2011 - 2014	Fondef XVIII Grant "Financial and Commercial Skills Training for Small Business and its Experimental Evaluation," Senior Researcher, N. D10I1011
2009 - 2010	Fondecyt Grant (co-researcher) "An alternative matching algorithm," N. 1095181
2008 - 2013	Millennium Nucleus "Centro de Microdatos" (principal researcher), NS100041

PUBLICATIONS

Peer-reviewed journals

- 1) "Peer Effects in the Adoption of a Youth Employment Subsidy" (with Claudio Mora-García). Forthcoming, *The Review of Economics and Statistics*.
- 2) "Audit Threats and Wasteful Spending by Government Agencies: Experimental Evidence from Chile" (with Eduardo Engel, Felipe Jordán and Andrea Repetto). Forthcoming *Journal of Public Procurement*.
- 3) "The Effects of Equal Pay Laws on Firm Wage Premiums: Evidence from Chile" (with Gabriel Cruz). *Labour Economics*, Vol. 75, April 2022.
- 4) "The Children of the Missed Pill" (with Miguel Sarzosa and Sergio Urzúa). *Journal of Health Economics*, Vol. 79, September, 2021.
- 5) "The Effects of Increasing Penalties in Drunk Driving Laws: Evidence from Chile" (with Andrés García). *International Journal of Environmental Research and Public Health*, Vol. 17(21), November, 2020.
- 6) "The Effects of a Maternity Leave Reform on Children's Abilities and Maternal Outcomes in Chile" (with Pinjas Albagli). *The Economic Journal*, Vol. 129(619), pp. 1015-1047, April, 2019.
- 7) "The Effects of Drinking and Driving Laws on Car Crashes, Injuries, and Deaths: Evidence from Chile" (with Sebastián Otero). *Accident Analysis & Prevention*, Vol. 106, pp. 262-274, September 2017.
- 8) "A Matching Estimator Based on a Bilevel Optimization Problem" (with Juan Díaz and Jorge Rivera). *The Review of Economics and Statistics*, Vol. 97(4), pp. 803-812, October 2015..

- 9) “Early Exposure to Hazardous Waste and Academic Achievement: Evidence from a Case of Environmental Negligence” (with Loreto Reyes and Sergio Urzúa). *Journal of the Association of Environmental and Resource Economists*, Vol. 2, No. 4, pp. 527-563, 2015.
- 10) “Part-time work, Job Satisfaction, and Well-being: Evidence from a Developing OECD Country” (con Rodrigo Montero). *Journal of Development Studies*, Vol. 51(4), pp. 370-385, April 2015.
- 11) “Improving the Measurement of the Relationship between Opportunities and Income: Evidence from Longitudinal Data from Chile” (with Dante Contreras, Osvaldo Larrañaga, and Esteban Puentes). *Development Policy Review*, Vol. 32(2), pp. 219-237, March 2014.
- 12) “Modeling Structural Equations with Endogenous Regressors and Heterogeneity Through Derivative Constraints”. *Quantitative Economics (Econometric Society)*, Vol. 4, 125-148, March 2013.
- 13) “Tournaments Incentives for Teachers: Evidence from a Scaled-up Intervention in Chile” (with Dante Contreras). *Economic Development and Cultural Change*, Vol. 61, No. 1, pp. 219-246, October 2012.
- 14) “The Evolution of Opportunities for Children in Chile 1990-2006” (con Dante Contreras, Osvaldo Larrañaga y Esteban Puentes). *Cepal Review*, No. 106, pp. 107-124, April 2012.
- 15) “Part-time work in Chile”. *Revista Economía Chilena*, vol. 13(1), pp. 39-59. April, 2010

Book Chapters

- 16) “Relative Income and Job Satisfaction in Chile” (with R. Montero) in M. Rojas (ed). *Handbook of Happiness Research in Latin America*. Springer, pp. 205-217, 2016.
- 17) “Pobreza y desigualdad en Chile: Un análisis con la Encuesta Casen” in Gerhard Reinecke and María Elena Valenzuela (eds). *Chile: El impacto del mercado laboral en el bienestar de las personas. Distribución del ingreso y calidad del empleo*. Santiago, OIT, pp. 163-201, 2011.
- 18) “Trade Openness and the Female Worker: The Case of Chile” (With Contreras, D. and E. Puentes) in C. Piras (ed). *Women at Work: Challenges for Latin America*. *Washington DC: Inter-American Development Bank*. pp. 93-136, 2004.
- 19) “Chile: Trade Liberalization, Employment and Inequality” (With J. de Gregorio, Bravo D., Contreras, D. and S. Urzúa) in R. Vos, L. Taylor and R. Paes de Barros (eds). *Economic Liberalization, Distribution and Poverty: Latin America in the 1990s*. *Cheltenham, Edward Elgar*. pp. 167-214, 2004.

Non peer-reviewed journals

- 20) “Propuestas para reducir las brechas laborales de género en Chile” (with J. Aguirre, A. Canales, A. Hojman, G. Jiménez-Moya, J. Lafortune, M. Murray, M. Narea, and J. Reyes). *Temas de La Agenda Pública - UC*. 2021 (149):1-19.
- 21) “Diagnóstico y propuestas para la reactivación del mercado laboral en Chile” (with F. Coloma, F. Gallego, I. Irarrazaval, A. Janiak, J. Lafortune, C. Martínez, P. Pedro, J. Tessada y E. Trimarchi). *Temas de La Agenda Pública - UC*. 2020 (127):1-14.
- 22) “Reforma al Sence: Un primer paso Necesario” (with G. Díaz, I. Irarrazaval, O. Larrañaga, y M. Singer). *Observatorio Legislativo UC*. 2019 (40): 1.18.

23) “Trabajo a tiempo parcial y satisfacción laboral en Chile”. *Administración y Economía UC*. 2016; 84:13-16.

24) “Flexibilidad de la jornada laboral en Chile: una tarea pendiente”. *Temas de La Agenda Pública - UC*. 2012 (50):1-12.

25) “Incentivos Monetarios para profesores: el caso del SNED en Chile”. *Administración y Economía UC*. 2011; 71:13-16.

Work in progress

26) “School Value-Added and the Math Gender Gap in Chile” (with Sebastián Poblete).

27) “Maternity Leave Reform and Female Labor Market Outcomes in Chile” (with Sebastian Poblete).

28) “The Schooling and Labor Market Effects of Vouchers” (with Cristián Sánchez and Sergio Urzúa).

29) Teacher Value-Added and Students Outcomes in Chile (with A. García and S. Poblete)

30) Worker, Seller, Manager, Driver: Experimental Evidence on What Training Can Do for Small Entrepreneurs (with Claudio Bravo-Ortega and Claudia Martínez).

Permanent working papers

“Loans for Higher Education: Does the dream come true?” (with Eugenio Rojas and Sergio Urzúa). *National Bureau of Economic Research, Working Paper 19138*.

“The Effects of Large-Scale Youth Employment Subsidies: Evidence from a Regression Discontinuity Design” (with David Bravo).

PRESENTATIONS

- 2022: Chilean Economic Association (Valdivia, keynote speaker), LACEA/LAMES (Lima)
- 2020: University of New South Wales, University Technology Sydney, IZA/World Bank /NJD/UNU-WIDER Jobs and Development Conference (online)
- 2019: 3rd IZA Workshop on Gender and Family Economics (Viña del Mar), 2nd IZA/World Bank/NJD Conference on Jobs and Development (Washington DC), Latin American Meeting of the Econometric Society (Puebla)
- 2018: SOLE conference (Toronto), 1st IZA/World Bank/NJD Conference on Jobs and Development (Bogotá), IZA World Congress (Berlín), Encuentro de la Sociedad de Economía de Chile (Valparaíso), LACEA/LAMES (Guayaquil)
- 2017: SOLE conference (Raleigh, NC), Encuentro de la Sociedad de Economía de Chile (Santa Cruz), USACH, Central Bank of Chile, Latin American Meeting of the Econometric Society (Buenos Aires)
- 2016: Jobs and Development Conference (Washington, DC), NEUDC (Boston), Latin American Workshop in Econometrics of Econometrics Society (Montevideo), 4th Annual Meeting of Lacea Labor Network (Cartagena). North American Summer Meeting of the Econometric Society (Philadelphia), Universidad de Chile (CEA), and Encuentro de la Sociedad de Economía de Chile (Viña del Mar).
- 2015: University of California-Berkeley (Haas), PUC-Chile (Workshop of Causal Inference, Sociology), PUC-Rio (Econ), The 11th World Congress of the Econometric Society, Montréal, Universidad Diego Portales.

- 2014: Pontificia Universidad Católica de Chile, Escola de Economia de São Paulo (EESP FGV), Latin American Meeting of the Econometric Society (São Paulo), and Encuentro de la Sociedad de Economía de Chile (Viña del Mar)
- 2013: University of California-Berkeley (Econ), University of Maryland, Georgetown University, NBER, Summer Institute, Labor Studies (Boston), North American Summer Meeting of the Econometric Society (Los Angeles), University of California-Irvine, Universidad Alberto Hurtado, Universidad de Concepción, Centro de Microdatos.
- 2012: NBER, Summer Institute, Health Economics (Boston), University of California-Berkeley, North American Summer Meeting of the Econometric Society (Evanston), Society for Economics Dynamics (SED, Cyprus), PUC-Chile, PUC-Rio and Encuentro de la Sociedad de Economía de Chile (U. Adolfo Ibañez, Viña del Mar).
- 2011: NEUDC (Yale University), Universidad Diego Portales, Centro de Microdatos, Encuentro de la Sociedad de Economía de Chile (Viña del Mar), Pontificia Universidad Católica de Chile.
- 2010: University of California-Berkeley, Center for Global Development (DC), Northwestern University, Pontificia Universidad Católica de Chile, Universidad de Chile-CEA, Centro de Microdatos, Pontificia Universidad Católica del Perú, Banco Central de Chile (WPEG), Ministerio de Hacienda-Chile, Universidad de Chile-DECON, Universidad Adolfo Ibañez, Encuentro de la Sociedad de Economía de Chile (Universidad de Talca).
- 2009: Pontificia Universidad Católica del Perú, Centro de Microdatos (Universidad de Chile).
- 2008: University of California-Berkeley, Universidad Alberto Hurtado, Second Meeting of the Impact Evaluation Network (Rio de Janeiro), LACEA (Rio de Janeiro), Departamento de Economía, Universidad de Chile, Encuentro de la Sociedad de Economía de Chile, Viña del Mar, Chile
- 2007: U of Minnesota, U of Texas-Austin, U of Washington-Seattle, U of Western Ontario, Concordia U, Pontificia Universidad Católica de Chile, Encuentro de la Sociedad de Economía de Chile, Viña del Mar, Chile, and U de Chile-Decon and U de Chile-CEA.

TEACHING

Pontificia Universidad Católica de Chile

Labor Economics (EAE235A), undergraduate, 2020
 Econometrics (EAE250A), undergraduate, 2011-2020
 Econometric Theory I (EAE350B), graduate, 2010-2017
 Econometric Theory II (EAE3512), graduate, 2011-2021
 Topics in Microeconometrics (EAE3972), graduate, 2011-12
 Quantitative Methods (EAM300B), graduate, 2012

Universidad de Chile, 2007-2010

Econometrics I (graduate)
 Microeconometrics (graduate)
 Econometrics (undergraduate)
 Applied Econometrics (undergraduate)

University of California, Berkeley, Summer 2005

Labor Economics (undergraduate)

Short courses

JPAL-PUC Chile, 2016-2022

Impact Evaluation of Public Policies

National Economic Prosecutor (Fiscalía Nacional Económica)

Empirical methods in the analysis of mergers and collusion. November-December 2016

Ministry of Education, ACE

Regression Discontinuity Designs. December 2014

Universidad de Concepción

Impact Evaluation (graduate). Summer 2013

Pontificia Universidad Católica del Perú

Advanced Econometrics (graduate). 2009-2021

ACADEMIC/PROFESSIONAL ACTIVITIES

- 2021 - present Co-Editor, *Economía*, Journal of LACEA.
- 2019 - 2022 Member of the Latin American Standing Committee, Econometric Society.
- 2016 - 2020 Associate Editor, *Economía*, Journal of LACEA.
- 2014 - 2016 Member of the Board of Directors, Chilean Economic Association (SECHI).
- 2007 Graduate Student, Center for Labor Economics, University of California-Berkeley
- 2005 Instructor, Department of Economics, U.C. Berkeley. Labor Economics.
- 2002 - 2005 Teacher Assistant to professors: David Romer, Martha Olney, and James Powell
Department of Economics, U.C. Berkeley.
- 2002 Research Assistant to professor George Akerlof, U.C. Berkeley.
- 1999 - 2001 Instructor, Departamento de Economía, Universidad de Chile.

Referee for: *Review of Economic Studies*, *Review of Economics and Statistics*, *Journal of Business and Economic Statistics*, *Journal of Applied Econometrics*, *Journal of Health Economics*, *Journal of Environmental Economics and Management*, *Journal of the Association of Environmental and Resource Economists*, *Labour Economics*, *Journal of Population Economics*, *Health Economics*, *Economics of Education Review*, *Operations Research*, *Transportation Research A*, *Review of Economics of the Household*, *Contemporary Economic Policy*, *Economía*, *Trimestre Económico*, *Estudios de Economía*, *Revista de Análisis Económico*, *Latin American Journal of Economics*, *Revista de Estudios Sociales*, *Estudios de Economía*, *FONDECYT*, and *Estudios Públicos*.

OTHER ACTIVITIES

- 2019 Member of the Committee for the study of the effect of a reduction on the legal work week on employment outcomes, National Productivity Commission (CNP)
- 2017 Member, Evaluation Committee for the *Clemente Estable* Grant, National Research and Innovation Agency (ANII), Uruguay.
- 2017-2019 Chair, Junior Hiring Committee, Instituto de Economía, PUC Chile.
- 2017 Member, Scientific Committee, Meeting of the LACEA/LAMES, Buenos Aires
- 2016 Member, Junior Hiring Committee, Instituto de Economía, PUC Chile.
- 2016 Member, Scientific Committee, Meeting of the LACEA/LAMES, Medellín
- 2014 Member of the Committee for a new minimum wage policy (*Comisión Asesora Salarial del Mercado del Trabajo*), Ministry of Labor.
- 2013 Member, Scientific Committee, Meeting of the LACEA/LAMES, México (November 2013)
- 2011 Member of the Committee for the evaluation of the Chilean training system (*Comisión de Reforma al Sistema de Capacitación o Comisión Larrañaga*), Labor Ministry
- 2010 Judicial Expert for the Free Competition Court (TDLC) in the collusion case of drug retailers in the pharmaceutical industry in Chile (*Caso Farmacias*).
- 2008 Member of the Evaluation Committee, Fulbright Fellowship.

2007 Contributor, Presidential Advisory Council on Labor and Social Equity (*Consejo Asesor Presidencial Trabajo y Equidad*).

PHD STUDENTS AND FIRST JOB

2019 Andrés García-Echalar (chair). Universidad de los Andes, Chile.
 2016 Claudio Mora-García (committee member). Pontificia Universidad Javeriana, Colombia.
 2012 Yarela Flores Arévalo (committee member). Universidad Arturo Prat de Chile.
 2012 Rodrigo Montero Pérez (chair). Universidad Diego Portales, Chile.

PLACEMENT OF FORMER STUDENTS/RA's IN PHD & MSc. PROGRAMS

2022 Claudia De Goyeneche (Berkeley, PhD econ, full funding), Gabriel Cruz (Maryland, PhD econ, full funding), Fernanda Benavides (MPA, Columbia)
 2020 Sebastián Poblete (Northwestern, PhD econ, full funding), Bernardo de Moura (Penn, PhD econ, full funding), Catalina Larrain (LSE, MPP, full funding), Nicolas Martorell (Chicago, MAPSS)
 2019 José Miguel Pascual (Chicago Harris, PhD PP, full funding), Josefina Lavín (Columbia, MPA), Josefina Rodríguez (Chicago, MPP), Matías Muñoz (Zurich, PhD econ, full funding)
 2018 Pedro Casavilca (Yale, PhD econ, full funding), Pinjas Albagli (LSE, PhD econ, full funding), Catalina Morales (Maryland, PhD econ, full funding)
 2017 Cristóbal Otero (Berkeley, PhD econ, full funding), Felipe Vial (Berkeley, PhD econ, full funding), Macarena Kustcher (Maryland, PhD econ, full funding), Juan Diego Chavarria (Indiana, PhD econ)
 2016 Felipe Jordán (Harvard, PhD PEG, full funding), Francisca Sara (Chicago, PhD econ, full funding), Fernanda Rojas (UCLA, PhD econ), Exequiel Rauld (LSE, MSc PS&PE)
 2015 Sebastián Otero (Stanford, PhD econ, full funding), Matías Covarrubias (NYU, PhD econ, full funding), Antonia Asenjo (LSE, MPA)
 2014 Catalina Ravizza (Brown, PhD econ, now at Keystone Strategy), George Vega (Caltech, PhD Social Science, full funding, now at USC)
 2012 Felipe González (UC Berkeley, PhD econ, now at PUC), Eugenio Rojas (U Penn, PhD econ, full funding, now at U. Florida)
 2008-2010 Rodrigo Krell (NYU, PhD econ, full funding, now at CNP), Cristián Sánchez (Maryland, PhD econ, full funding, now at ITAM)

CONSULTING ACTIVITIES

2019 Estimation of unit prices in Aguas Andinas VII tariff process. Study prepared for Superintendency of Sanitary Services (SISS).
 2018 Electricity consumption forecast at the distributor level. Study prepared for Valgesta.
 2016 Advisor to the Mergers Unit and the Antitrust Division of the National Economic Prosecutor's Office (FNE) in the development of case theories and estimation of econometric models.
 2012-2014 Estimation of the economic value generated by Chile's Supreme Audit Institution. A study prepared for the Comptroller General of Chile. With Eduardo Engel and Andrea Repetto.
 2011 Design and evaluation of occupational training interventions. A study prepared for the Inter-American Development Bank (IADB). With Esteban Puentes.
 2011 Impact evaluation of the youth employment subsidy program. A study prepared for the Budget Office (DIPRES). With David Bravo.

2008 Inequality of opportunity in Chile. A study prepared for the World Bank (WB). With Dante Contreras and Esteban Puentes.

2007 Poverty and inequality in Chile: An analysis with the Casen Survey. A study prepared for the International Labor Office (ILO).

OTHER INFORMATION

Affiliations: Econometric Society, American Economic Association, Royal Economic Society, Sociedad de Economía de Chile, Latin American and Caribbean Economic Association

Languages: English (fluent), Spanish (native), and Portuguese (working knowledge).

Citizenship: Chile and Germany

Software: Matlab, R, Stata

Last updated: November, 2022