

Tomás Rau

CONTACT INFORMATION

Full Name: Tomás Andrés Rau Binder
Address: Vicuña Mackenna 4860, Macul, Santiago
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Citizenship: Chilean and German
Current position: Associate Professor, Pontificia Universidad Católica de Chile

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

Universidad de Chile, Santiago, Chile
Magister en Economía, Mención Organización Industrial, 1999
Ingeniería Comercial, Mención Economía, 1999
Licenciado en Ciencias Económicas, 1999

ACADEMIC/PROFESSIONAL ACTIVITIES

2015 - present Associate Professor, Pontificia Universidad Católica de Chile
2014 - 2016 Member of the Board of Directors, Chilean Economic Association.
2014 - present Research Associate, Centro UC Encuestas y Estudios Longitudinales
2013 Visiting Professor, University of California-Berkeley, Fall semester.
2011 - 2014 Senior Researcher, Fondef XVIII “Financial and Commercial Skills Training for Small Business and its Experimental Evaluation,” Project N. D10I1011.
2010 - 2015 Assistant Professor, Pontificia Universidad Católica de Chile
2008 - 2014 Research Associate, Núcleo Milenio, “Centro de Microdatos”, Project N. NS100041.
2007 - 2010 Assistant professor, Departamento de Economía, Universidad de Chile.
2007 Graduate Student, Center for Labor Economics, University of California-Berkeley
2005 Instructor, Department of Economics, U.C. Berkeley. Labor Economics.
2002 - 2005 Graduate Student Instructor, Department of Economics, U.C. Berkeley.
1999 - 2001 Instructor and Lecturer, Departamento de Economía, Universidad de Chile.

FELLOWSHIPS AND AWARDS

Academic Excellence Award (graduate), Instituto de Economía, UC, Fall 2014.
Academic Excellence Award (graduate), Instituto de Economía, UC, Spring 2014.
Fondecyt grant “Effects of Zero Tolerance Laws on Drinking and Driving,” No. 1141093. 2014-2016
Academic Excellence Award (graduate), Instituto de Economía, UC, Spring 2012.
Fondecyt grant (co-researcher) “An alternative matching algorithm,” No. 1095181. 2008-2011
U.C. Berkeley Institute for Business and Economic Research, Dissertation grant. 2006.

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

TEACHING

Pontificia Universidad Católica de Chile 2010-present

Econometric Theory I and II (graduate)
 Microeconometrics (graduate)
 Econometrics (undergraduate)
 Quantitative methods (graduate, MBA)

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

Ministry of Education, ACE, December 2014

Regression Discontinuity designs

Universidad de Concepción, Summer 2013

Impact Evaluation (graduate)

Pontificia Universidad Católica del Perú 2009-2014

Advanced Econometrics (graduate)
 Topics in Labor Economics (graduate)

PUBLICATIONS

Papers

- 1) "A matching estimator based on a bi-level optimization problem" (with Juan Díaz and Jorge Rivera). Forthcoming, *The Review of Economics and Statistics*.
- 2) "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, December 2015.
- 3) "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.
- 4) "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.
- 5) "Modeling Structural Equations with Endogenous Regressors and Heterogeneity Through Deriva-

tive Constraints.” *Quantitative Economics (Econometric Society)*, Vol. 4, 125-148, March 2013.

6) “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.

7) “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.

8) “Part-time work in Chile.” *Revista Economía Chilena*, vol. 13(1), pp. 39-59. April, 2010

9) “Incentivos Monetarios para profesores: el caso del SNED en Chile. *Administración y Economía UC*. 2011;71(1):13-16.

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

Work in progress

1) “New Evidence of the effects of Zero Tolerance Laws on Drinking and Driving in Chile. The Case of Chile.” (with Sebastián Otero).

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

3) “Penalized Splines Estimation and Bayesian Inference in the Regression Discontinuity Model.” *Submitted*.

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

5) “The Children of the Missed Pill: Unintended Consequences of Price Collusion” (with Miguel Sarzosa and Sergio Urzúa).

6) “A Covariate Balancing Kernel Matching Estimator.”

7) “Effects of Maternity leave on Children’s Cognitive and Noncognitive Abiliites. Evidence from Maternity Leave Expansions in Chile. (With Pinjas Albagli).

Book Chapters

1) “Relative Income and Job Satisfaction in Chile (with R. Montero) in M. Rojas (ed). *Handbook of Happiness Research in Latin America*.” Springer, 2015, forthcoming.

2) “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.

3) “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.

4) “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.

PRESENTATIONS

- 2015: University of California-Berkeley (Haas), PUC-Chile (Sociology), PUC-Rio (Econ), The 11th World Congress of the Econometric Society, Montréal, Universidad de Chile (scheduled, October 14), Universidad Diego Portales (scheduled, December 9)
- 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 2011 at 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.

OTHER ACTIVITIES

- 2014 Member, Minimum Wage Committee (Comisión Asesora Salarial del Mercado del Trabajo), Ministry of Labor.
- 2013 Committee Member, Meeting of the LACEA/LAMES, México (November 2013)
- 2011 Member, National Training Service Committee Reform (Comisión de Reforma al Sistema de Capacitación), Ministry of Labor.
- 2010 Judicial Expert for the Tribunal for Defense of Free Competition (TDLC) in the collusion case of drug retailers in the pharmaceutical industry in Chile.
- 2007 Contributor, Presidential Advisory Council on Labor and Social Equity (Consejo Asesor Presidencial Trabajo y Equidad).

STUDENTS/RESEARCH ASSISTANT STUDYING ABROAD

- Sebastián Otero (Stanford, 1st year)
- Matías Covarrubias (NYU, 1st year)
- Felipe González (UC Berkeley, 4th year)
- George Vega (Caltech, 3rd year)
- Antonia Asenjo (LSE, 2nd year)

- Eugenio Rojas (U Penn, 4th year)
- Cristian Sánchez (Maryland, 5th year)

OTHER INFORMATION

Referee: *Review of Economic Studies, The Review of Economics and Statistics, Journal of Business and Economic Statistics, Journal of Applied Econometrics, Contemporary Economic Policy, Estudios de Economía, Revista de Análisis Económico, Latin American Journal of Economics, Estudios Públicos*

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

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

Software: Matlab, Stata, R, C++