

MAURICIO SARRIAS

CONTACT INFORMATION

Facultad Economía y Negocios,
Universidad de Talca,
Avenida Lircay sin número, Talca, Chile.

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ORCID ID: 0000-0001-5932-4817

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ResearchID: L-7627-2018

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EDUCATION

PhD, Regional Science
Cornell University, Ithaca, NY, USA
May of 2016

Master of Science, Regional Science
Universidad Católica del Norte, Antofagasta, Chile.
December of 2009

Bachelor of Art, Business Management
Universidad Católica del Norte, Antofagasta, Chile.
December of 2008

EMPLOYMENT

Universidad de Talca, Talca, Chile
Lecturer Professor, 2020 - present.

Universidad Católica del Norte, Antofagasta, Chile
Associate Professor, 2015 - 2020

POSITIONS

Universidad Católica del Norte, Antofagasta, Chile
Postgraduate Director of Master and PhD in Economics with major in Regional Science, 2016 - 2020.

- In charge of three CNA accreditation: Master (6 years) and PhD (2 and 4 years).

Economic and Administration board, FONDECYT (ANID) Projects Since 2020.

FIELDS

Discrete Choice Models
Regional Science
Applied Econometrics
Health Economics

**RESEARCH
EXPERIENCE**

Research Assistant July 2013-October 2014
RIMISP, Centro Latinoamericano para el Desarrollo

- Econometric analysis for “Regional Growth and Concentration” project.

Research Assistant October 2010-December 2011
Development Research Group, World Bank, Washington D.C, USA.

- Econometric analysis and data management for the Lead Economist William F. Maloney. Specialization in nonlinear regressions and labor economics.

Research Assistant March 2009-December 2010
Institute of Applied Regional Economics, Universidad Católica del Norte, Antofagasta, Chile.

- Econometric analysis and data management for regional analysis in Chile. Specialization in spatial economics and spatial econometrics.

**ACADEMIC
EXPERIENCE**

Instructor 2015-
Graduate level (Master and PhD.) courses for Department of Economics, Universidad Católica del Norte, Antofagasta, Chile.

Lecturing and grading

- Econometrics.
- Spatial Econometrics.
- Microeconomics.
- Discrete Choice Models.
- Health Economics.
- Scientific writing.

Instructor 2015-
Undergraduate level courses for Department of Economics, Universidad Católica del Norte, Antofagasta, Chile.

Lecturing and grading

- Econometrics

Teaching Assistant Spring Semester-2015
Graduate level course for City and Regional Planning Department, Cornell University, Ithaca, NY, USA.

- CRP 5450: Inferential Statistics for Planning and Public Policy

Instructor 2009-2010
Undergraduate level courses for Department of Economics, Universidad Católica del Norte, Antofagasta, Chile.

Lecturing and grading

- Optimization and Operation Research.
- Microeconomics II.
- Environmental Economics.

Teaching Assistant 2006-2008
Undergraduate level courses for Department of Economics, Universidad Católica del Norte, Antofagasta, Chile.

- Microeconomics I
- An introductory course of Economics
- Macroeconomics I.
- Microeconomics II.

HONORS AND AWARDS

Grant: Instrumental variable approaches for models with unobserved heterogeneity 2020-2022

Funding: Comisión Nacional de Investigación Científica y Tecnológica
Fondecyt Regular, N 1200522

Principal Investigator: Mauricio Sarrias.

Grant: Individual-specific Inference for Choice Models 2016-2019

Funding: Comisión Nacional de Investigación Científica y Tecnológica
Fondecyt de Iniciación, N 11160104

Principal Investigator: Mauricio Sarrias.

PhD Scholarship 2010-2015

CONICYT, Government of Chile

Best Post-graduate Thesis 2010

Red Sinergia, Chile

Bicentenary-Mineduc Scholarship for B.A Studies 2004-2008

Government of Chile

President of the Republic Scholarship 2000-2003

Government of Chile

BOOKS AND CHAPTERS

Atienza, M., Lufin, M. and Sarrias, M. (2010). *División Espacial del Trabajo en Chile*. Ediciones universitarias, Universidad Católica del Norte. Download

ARTICLES

Sarrias, Mauricio (2021). “A two recursive equation model to correct for endogeneity in latent class binary probit models” **Journal of Choice Modelling**. DOI:10.1016/j.jocm.2021.100301. Download

Romero-Espinosa, D, **Sarrias, M**, Daziano, R (2021). “Are preferences for city attributes heterogeneous? An assessment using a discrete choice experiment”. **Papers in Regional Science**. 100(1), 251-272. DOI:10.1111/pirs.12566. Download

Sarrias, Mauricio (2020). “Individual-specific posterior distributions from Mixed Logit models: Properties, limitations and diagnostic checks”. **Journal of Choice Modelling**, 36, 100224. DOI:10.1016/j.jocm.2020.100224. Download

Sarrias, Mauricio (2020). “Random Parameters and Spatial Heterogeneity using Rchoice in R”, **REGION**, 7(1), pp. 1-19. DOI: 10.18335/region.v7i1.279. Download

Sarrias, M & Jara, B. (2020). “How Much Should We Pay for Mental Health Deterioration? The Subjective Monetary Value of Mental Health After the 27F Chilean Earthquake”. **Journal of Happiness Studies**. 21, 843-875 DOI: 10.1007/s10902-019-00112-y. Download

Ahumada, G., Iturra, V. & **Sarrias, M**. (2020). “We Do Not Have the Same Tastes! Evaluating Individual Heterogeneity in the Preferences for Amenities.” **Journal of Happiness Studies**. 21, 53-74 DOI: 10.1007/s10902-019-00081-2. Download

Palomino J & **Sarrias M**. (2019). “The monetary subjective health evaluation

for commuting long distances in Chile: A latent class analysis.” **Papers in Regional Science**. 2019;1–21. DOI: 10.1111/pirs.12416. Download

Aroca, P., Azzoni, C., and **Sarrias, M.** (2018). “Regional Concentration and National Economic Growth in Brazil and Chile”. **Letters in Spatial and Resource Sciences**, DOI: 10.1007/s12076-018-0217-2. Download

Sarrias, Mauricio (2018). “Do Monetary Subjective Well-being Evaluations Vary Across Space? Comparing Continuous and Discrete Spatial Heterogeneity”, **Spatial Economic Analysis**, (In Press) DOI: 10.1080/17421772.2018.1485968. Download

Sarrias, Mauricio and Daziano, Ricardo A, (2018), “Individual-Specific Point and Interval Conditional Estimates of Latent Class Logit Parameters”, **Journal of Choice Modelling**, Volume 27, Pages 50-61, DOI: 10.1016/j.jocm.2017.10.004. Download

Sarrias, Mauricio., and Daziano, Ricardo, (2017). “Multinomial Logit Models with Continuous and Discrete Individual Heterogeneity in R: The gmnL Package”. **Journal of Statistical Software**, 79(2), 1 - 46. DOI:10.18637/jss.v079.i02. Download

Daziano, R. A., **Sarrias, M.**, and Leard, B. (2017). “Are Consumers Willing to Pay to Let Cars Drive for Them? Analyzing Response to Autonomous Vehicles”. **Transportation Research Part C: Emerging Technologies**, 78, 150-164, DOI: 10.1016/j.trc.2017.03.003. Download

Maloney, William F., and **Sarrias, Mauricio** (2017). “Convergence to the Managerial Frontier”, **Journal of Economic Behavior & Organization**, Volume 134, Pages 284-306, DOI: 10.1016/j.jebo.2017.01.002. Download

Sarrias, Mauricio. (2016). “Discrete Choice Models with Random Parameters in R: The Rchoice Package”. **Journal of Statistical Software**, 74(10), 1 - 31, DOI:10.18637/jss.v074.i10. Download

Falco, P., Maloney, W. F., Rijkers, B., and **Sarrias, M.** (2015). “Heterogeneity in Subjective Wellbeing: An Application to Occupational Allocation in Africa”. **Journal of Economic Behavior & Organization**, Volume 111, Pages 137-153, DOI: 10.1016/j.jebo.2014.12.022. Download

WORKING PAPERS

“Regional Business Cycle Synchronization in Chile”, (with Patricio Aroca), Universidad Catolica del Norte (2012) Download

“Spatial division of labor in Chile 1992-2002”, (with Atienza, M. and Lufin, M.), Universidad Catolica del Norte, (2011). Download

STATISTICAL PACKAGES

Mauricio Sarrias and Ricardo Daziano (2015). gmnL: Multinomial Logit Models with Random Parameters. R package version 1.0. <http://cran.r-project.org/web/packages/gmnL/index.html>

Mauricio Sarrias (2014). Rchoice: Discrete Choice (Binary, Poisson and Ordered) Models with Random Parameters. R package version 0.2. <http://CRAN.R-project.org/package=Rchoice>

WORKSHOPS

Sarrias, M. (2018). Evaluating Willingness to Pay for Non-Market Goods Using Discrete Choice Models. May, 2018, Universidad de Concepción, Campus Chillan, Chile.

Sarrias, M. (2017). Modelos de Eleccion Discreta. 9th SOCHER Conference, September, 2017, Chillan, Chile.

Sarrias, M. & Daziano, R. (2017). Discrete Choice Model with Simulation: Software Comparison, Big Data, and Reproducibility. 5th International Choice Model Conference, April, 2017, Cape Town, South Africa.

CONFERENCES

Sarrias & Daziano (2018). A Latent Class Ordered Probit Model of the Link Between Self-reported Health and Commuting Time. Interdisciplinary Choice Workshop, August, 2018, Santiago, Chile.

Sarrias & Daziano (2018). Comparing Software Implementation of Logit Models with Individual Heterogeneity. UseR! 2018 Conference, July, 2018, Brisbane, Australia.

Sarrias & Daziano (2017). Standard Errors and Interval Estimates of Individual-Specific Estimates. 5th International Choice Model Conference, April, 2017, Cape Town, South Africa.

Sarrias (2016). Do Monetary Subjective Well-Being Evaluation Vary Across Space? Comparing Continuous and Discrete Spatial Heterogeneity. Annual Meeting of the Chilean Regional Science Association, Santiago, Chile, November, 2016.

Sarrias & Daziano (2016). Individual-Specific Economic Choice Parameters: Application to the Valuation of Emission Reduction in Vehicle Choice. ITEA Annual Conference and School on Transportation Economics, Santiago, Chile, 2016.

Sarrias (2015). Continuous and Discrete Spatial Heterogeneity: Modeling Strategies and Simulation, Pacific Conference of the RSAI and Sociedad Chilena de Economia Regional, 2015.

Sarrias (2015). Continuous and Discrete Spatial Heterogeneity: Modeling Strategies and Simulation, 62nd Annual North American Meetings of the Regional Science Association International, Portland, OR, 2015.

Sarrias (2014). City-Size and Health-Assessed Status: An Ordered Probit Model with Spatially Random Coefficients, 61st Annual North American Meetings of the Regional Science Association International, Washington D.C., 2014.

Maloney W., and Sarrias, M. (2014). Convergence to Managerial Frontier, 2nd LACEA Labor Market Network Meeting, Cartagena, Colombia, 2014.

Sarrias M., and Aroca, P. (2010). Regional Business Cycle Synchronization in Chile, 56th Annual North American Meetings of the Regional Science Association International, Denver, Colorado, United States, 2010.

Sarrias M., and Aroca, P. (2010). Sincronizacion de los ciclos economicos regionales de las regiones en Chile: el rol del espacio, la especializacion, la inversion extranjera directa y la inversion publica, Annual Meeting of Chilean

Economics Society, Talca, Chile, September, 2010.

Atienza M., Lufin M., and Sarrias, M. (2010). Division Espacial del Trabajo en Chile, Annual Meeting of the Chilean Regional Science Association, Talca, Chile, November, 2007.

Sarrias M., and Aroca, P. (2010). Grado de sincronizacion de los ciclos economicos regionales en Chile: Una mirada estructural y sectorial, Annual Meeting of the Chilean Regional Science Association, Talca, Chile, November, 2007.

Aroca P., and Sarrias, M. (2010). Sincronizacion de los Ciclos Regionales en Chile. 23th Meeting of Central Bank of Chile in Regions, Antofagasta, Chile

**EDITORIAL
DUTIES**

Associate Editor, Journal of Statistical Software Since 2018.

Associate Editor, Journal Economía Since 2019.

REFEREE

Journal of Choice Modelling

International Journal of Sustainable Transportation

International Journal of Transport Geography

Networks and Spatial Economics

Information Processing in Agriculture

**PROFESSIONAL
ASSOCIATIONS**

SOCHER

Since 2009.