

Álvaro R. L. Espinoza Hernández

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| CONTACT INFORMATION | María Luisa Santander 460, Apt. 505 Providencia, Santiago de Chile | alvaro.espinozah@gmail.com https://alvaroeh.github.io |
| EDUCATION | University of Chile M.Sc. Economics, 2018 B.A. Business Administration and Economics, 2004 | |
| FIELDS OF INTEREST | Program Evaluation, Agricultural Economics, Industrial Organization | |
| TEACHING EXPERIENCE | University of Chile Departament of Industrial Engineering Teacher Assistant Fall Semester 2019 Econometrics, M.Sc. in Economics, MAGCEA, U. of Chile Applied Economics for Management, Global MBA, U. of Chile | |
| WORK EXPERIENCE | Consultant Public/Private Institutions Projects and reports by subject, date and institution Jan 2015 - present Experience in data processing and analysis, literature reviews, survey design and applied econometrics for demand estimation, program evaluation and time series analysis. Proficient in Stata, Matlab and Gretl. | |

Pensions System

-“*Disability and Survivorship Insurance Claims Report*” (2021, 2022), for the Pensions Regulator Agency Chile.

Agriculture/Public Policy

-“*Study on Market Concentration in Agri-Food Systems*” (2022), for the International Food Policy Research Institute-IFPRI.

-“*Assessment of Credit Programmes for small agriculture in Chile*” (2021), for the M. of Finance Chile.

-“*Resilient small agriculture in environments affected by Climate Change*” (2020), for the M. of Agriculture Chile.

- Full time contract (2016-2019) with the *Bureau of Agricultural Studies and Policy (ODEPA) Chile*, to assess competition and trade practices in agricultural and silvicultural markets; and develop regulatory and institutional mechanisms to enhance competition, strengthen commercial relationships and promote the use of contracts in the food supply chain (producers, processors, retailers). See Section **Articles**.

-“*Fuel distribution, market structure and price competition through web-based information*” (2015), for the National Energy Commission Chile.

Youth Justice/Social Reintegration

- *“Analysis of supply and demand adjustment for the implementation of the new National Youth Social Reintegration Service”(2021)*, for the M. of Justice (as an Inter-American Development Bank (IADB) Consultant).

- *“Costs of institutional reform in the justice system of juvenile offenders”(2015)*, for the M. of Justice Chile.

Education/Program Evaluation

- *“Evaluation of public schools infrastructure maintenance and renewal programs”(2020)*, for the M. of Finance Chile.

Public Investment

- *“Economic feasibility analysis for Asia-South America subsea optical fiber cable”(2019)*, for the M. of Telecommunications Chile.

- *“Impact evaluation of telecomm infrastructure and broadband access in isolated areas of Chile”(2016)*, for the M. of Telecommunications Chile.

Quality Assurance Agency for School Education Ministry of Education Chile

Senior Research Analyst, Studies Division

Sep 2012 - Dec 2014

Coordinate research aimed to develop an econometric methodology (education quality index) for school accountability, based on standardized tests of educational attainment, non-cognitive skills and socioeconomic characteristics of students. Assess accountability measures, in terms of the pressure-support trade-off, incentives and desired outcomes of educational reform. Generate information for other Divisions of the Agency, specially to generate intervention plans in schools with the purpose of guiding educational improvement and inform the local communities and parents.

[Official decree](#) with school accountability methodology (still in force) for elementary and high school system.

Budget Directorate (DIPRES) Ministry of Finance Chile

Program Evaluation Analyst

Dec 2007 - Aug 2012

Perform ex-post evaluations of government programs in education, employment, training and entrepreneurship, to generate evidence for budgetary decisions as well as inform design of public policy. Use of quasi-experimental analysis and quantitative techniques for assessment of impact, based on observational data collected in surveys and also administrative records.

Training and Employment Agency (SENCE) Ministry of Labor Chile

Studies Analyst

Apr 2005 - Nov 2007

Process and analyse micro data from administrative records and national surveys, and conduct research aimed to design and implement training and employment programs.

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| WORKING PAPERS | <i>“The role of market concentration in the agrifood industry”</i> , with M. Hernández, M. Berrospi, K. Deconinck, J. Swinnen & R. Vos. IFPRI Discussion Paper 2168, Washington, DC: International Food Policy Research Institute (IFPRI) | Jan 2023 |
| | <i>“The ‘candel’ wheat index, market functioning and coordination in the dry pasta industry in Chile”</i> , with C. Farías & G. Fernández. Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Jan 2019 |
| | <i>“Updated analysis of wheat flour price behaviour for the bread value chain”</i> , with C. Farías & G. Fernández. Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Jan 2019 |
| | <i>“Food markets, bargaining asymmetries and trade practices”</i> , with C. Farías, in Book <i>“Agricultura Chilena, Reflexiones y Desafíos al 2030”</i> , Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Mar 2018 |
| | <i>“Market transparency in agrifood value chains”</i> , with C. Farías, in Book <i>“Agricultura Chilena, Reflexiones y Desafíos al 2030”</i> , Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Mar 2018 |
| | <i>“Rice value chain in Chile”</i> , with C. Farías. Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Nov 2017 |
| | <i>“Price transmission of bovine meat in the context of international trade and retail concentration”</i> , with C. Farías & J. Giacomozzi. Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Nov 2016 |
| | <i>“Measures of competitiveness in chilean wine exports”</i> , with C. Buzzetti, T. Merino & S. Banfi. Santiago, Chile: Bureau of Agricultural Studies and Policy (ODEPA) | Nov 2016 |
| | <i>“Reform in the training and employment system: fostering worker decisions”</i> , collaboration for J. Escárate in Book <i>“Equality of opportunities: Challenges for training and employment in Chile”</i> , Microdata Center, U. of Chile and M. of Labor | Mar 2006 |
| | <i>“Active employment policies and labor market opportunities”</i> , collaboration for R. Castillo in Book <i>“Equality of opportunities: ...”</i> (<i>Op. cit.</i>) | Mar 2006 |
| DISSERTATION M.Sc. DEGREE | <i>“Demand and market valuation of chilean rice varieties and its effects in processors and retailers profits”</i> . Advisor: Prof. Carlos Noton N. | Dec 2018 |
| PRESENTATIONS | <i>“Price transmission of bovine meat[...]”</i> presented in <i>“Agricultural Productivity, Climate Change and Sustainable Resource Management”</i> , IAAE Inter-Conference Symposium & V Congreso Regional de Economía Agraria, Talca, Chile, Oct. 17-18 | Oct 2017 |
| | <i>“Challenges for agri-food policy in Globally Important Agricultural Heritage Systems (GIAHS) territories: the case of Native Potatoes in Chiloé Archipelago, Chile”</i> presented in <i>“Urbanization and Agricultural Modernization Development Conference in the Asia-Pacific Region”</i> , APEC & Institute of Agricultural Economics and Development, Chinese Academy of Agricultural Sciences, Beijing, China, Jun. 28-29 | Jun 2017 |

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| RELEVANT WORKSHOPS | <i>Difference-in-Differences with Panel Data and Repeated Cross Sections. Prof. Jeffrey M. Wooldridge, Michigan State University (12 hrs. online)</i> | | Jun 2023 |
| | 2 full-day webinar, extensions to two-way fixed effects in staggered intervention cases to allow for heterogeneous treatment effects across cohort and time, including covariates, solutions when parallel trends do not hold, inference with unbalanced panels and other situations | | |
| | <i>Fixed Grid Estimators for a Distribution of Random Coefficients. Prof. Jeremy T. Fox, Rice University & NBER (10 hrs. classroom)</i> | | Mar 2019 |
| | 2 half-day workshop, review of techniques for estimation of distributions of parameters in finite-outcomes settings, theory and applications to IO, quantitative marketing and development economics | | |
| | <i>Macroeconometric Forecasting</i> , IMF & Edx (90 hrs. online) | | Nov 2016 |
| | 8-week course, review of properties of time series, diagnostic and specification of ARMA models, use of VAR and VECM, cointegration, evaluation of forecast uncertainty and forecasting for policy analysis | | |
| | <i>Advanced Course on Experimental Evaluation. Inaugural Lectures by Prof. Esther Duflo & Prof. Abhijit Banerjee, J-PAL Latin America & Universidad Católica de Chile (24 hrs. classroom)</i> | | Dec 2009 |
| | 3 full-day course, review of econometric techniques focused on RCTs and optimal experimental design and implementation for applied research in developing countries | | |
| PROGRAMMING | Proficient: Stata, Matlab, Gretl, L ^A T _E X Familiar: Gauss, Python | | |
| LANGUAGES | English: TOEFL® (86/120, taken in March, 2015) | | |
| | Spanish: Native | | |
| | Portuguese: Competent (B1) | | |
| REFERENCES | Manuel A. Hernández (Ph.D.) | (+1) 202 862 5645 | |
| | Senior Research Fellow | M.A.Hernandez@cgiar.org | |
| | IFPRI | | |
| | Prof. Carlos Noton N. (Ph.D.) | (+56)2 2978 4047 | |
| | Department of Industrial Engineering | cnoton@gmail.com | |
| | University of Chile | | |
| | Claudio Farías P. (M.Sc.) | (+56) 2 2397 3143 | |
| | Economic Analysis Department | cfarias@odepa.gob.cl | |
| | Bureau of Agricultural Studies and Policy (ODEPA), Ministry of Agriculture, Chile | | |