

Álvaro R. L. Espinoza Hernández

CONTACT INFORMATION

☎ (+56) 9 7976 9086

✉ alvaro.espinozah@gmail.com

🌐 <https://alvaroeh.github.io>

EDUCATION

University of Chile

M.Sc. Economics (*with distinction*), 2018

“Demand and market valuation of chilean rice varieties and its effects in processors and retailers profits”.

Advisor: Prof. Carlos Noton N.

Undergraduate degree in Business Engineering and Economics (*with distinction*), 2004

INTERESTS

Development, Agricultural Economics, Industrial Organization

EMPLOYMENT HISTORY

International Food Policy Research Institute (IFPRI)

Research Assistant (Jan-22 - Present)

Data processing, econometric analysis, literature reviews, reports writing, questionnaire design and training. Proficient in Stata, Matlab and Gretl. Knowledge of SurveyToGo.

- ✧ Impact Evaluation Feed The Future Guatemala Value Chains (in progress)
Analysis of panel data-set (1,700 households surveyed in the Western Highlands). Assessment of nutritional status indicators for children, diet diversity of women and children, homestead production crop diversity, food insecurity experiences, among other indicators.
- ✧ Internal Migration in Central American countries (in progress)
Development of a propensity index for internal migration in Guatemala and Honduras using longitudinal surveys, and determination of most predictive variables.
- ✧ [The role of market concentration in the agri-food industry](#) (finished)
Analysis of regional and country level data up-, mid-, and downstream agri-food value chains segments, and a survey of literature identifying data and evidence gaps in the relationship of market power and food systems, including implications on food security and nutrition or on environmental sustainability. Co-author IFPRI Discussion Paper 2168.

Consultancy in Public Policy Institutions in Chile

Roles described for each project below (Jan-19 - Dec-21)

- ✧ Evaluation of agricultural development credit programs for the Ministry of Finance Budget Office (2021)
Member of an independent team of external consultants. Perform interviews with policymakers, analysis of program design, targeting (small-farmers, risk), performance indicators, review of budgetary reports, report writing.
- ✧ Capacity and prospective demand for the reform of the Juvenile Justice Social Reintegration Service in Chile, for the M. of Justice, Inter-American Development Bank Cooperation Project (2021)
Leader of small team (3). Perform econometric analysis of time series for demand of reintegration programs capacity and facilities for juvenile offenders, using administrative data and socioeconomic characteristics. Design of online survey for prosecutors and judges, perform interviews, report writing, team coordination tasks.
- ✧ Climate adaptation and resiliency in small agriculture of dry coastal areas of O'Higgins Region for the M. of Agriculture (2020)
Design questionnaire and perform interviews (phone) on app. 25 households. Analyze administrative data of participation in different projects, and measure performance indicators.

- ✧ Evaluation of public school infrastructure renovation and maintenance programs for the Ministry of Finance Budget Office (2020)
Member of an independent team of external consultants. Analysis of large datasets with infrastructure characteristics of schools.

EMPLOYMENT HISTORY (CONT.)

Bureau of Agricultural Studies and Policy (ODEPA)

Research Analyst (Feb-16 - Jun-18)

Applied research focused on assessment of competition and trade practices in agricultural and food markets, evaluation of regulatory and institutional arrangements to enhance competition, strengthen commercial relationships (producers, processors, retailers) and use of contracts in relevant agri-food value chains at the country and regional level.

Use of time series and cointegration models for market and vertical relationships analysis. Use of marketplace price surveys, international commodity indexes and foreign trade data-sets. Perform interviews with farmers, traders, processors and retailer representatives. Descriptive analysis of markets and industries. Co-author ODEPA working papers:

- ✧ *“The candel wheat price index influence in the dry pasta value chain in Chile”*
- ✧ *“Updated price transmission relationships in the wheat-flour-bread value chain”*
- ✧ *“Food markets, bargaining asymmetries and trade practices”*
- ✧ *“Market transparency in agrifood value chains”*
- ✧ *“Rice value chain in Chile”*
- ✧ *“Measures of competitiveness in chilean wine exports”*

TEACHING EXPERIENCE

University of Chile

Departament of Industrial Engineering

Teacher Assistant, Fall Semester (Mar-19 - Jul-19)

- ✎ Econometrics (*M.Sc. course*)
- ✎ Applied Economics for Management (*MBA course*)

CONFERENCE PRESENTATIONS

“Price transmission in the beef industry in Chile” presented in “Agricultural Productivity, Climate Change and Sustainable Resource Management”, IAAE Inter-Conference Symposium & V Congreso Regional de Economía Agraria, Talca, Chile, Oct. 17-18, 2017

“Challenges in FAO Globally Important Agricultural Heritage Systems (GIAHS) territories: Case Study Native Potatoes in Chiloé Archipelago, Chile” presented in “Urbanization and Agricultural Modernization Development Conference in the Asia-Pacific Region”, APEC & Institute of Agricultural Economics and Development, Chinese Academy of Agricultural Sciences, Beijing, China, Jun. 28-29, 2017

WORKSHOPS ATTENDED

- ✎ *Difference-in-Differences with Panel Data and Repeated Cross Sections*
Prof. Jeffrey M. Wooldridge, Michigan State University (12 hrs. [online](#)), Jun. 8-9, 2023.
- ✎ *Fixed Grid Estimators for a Distribution of Random Coefficients*
Prof. Jeremy T. Fox, Rice University & NBER (10 hrs. [classroom](#)), Mar. 7-8, 2019.
- ✎ *Macroeconometric Forecasting*
IMF & Edx (90 hrs. [online](#)), Nov. 2016.

LANGUAGES

English (Proficient), Portuguese (Competent), Spanish (Native)

REFERENCES

- ✎ Manuel A. Hernández, Senior Research Fellow, IFPRI
M.A.Hernandez@cgiar.org
- ✎ Prof. Carlos Noton N., Department of Industrial Engineering, U. of Chile
cnoton@gmail.com