

Juan F. Escobar

Department of Industrial Engineering
University of Chile
Beauchef 851, Santiago, Chile
Phone: 56 2 29780546
Email: jfesco@gmail.com
Webpage: www.dii.uchile.cl/~jescobar

Employment

Associate Professor, Department of Industrial Engineering, University of Chile (2018-present)

Assistant Professor, Department of Industrial Engineering, University of Chile (2009-2018)

Education

PhD Economics, Stanford University (2009)

MS Applied Economics (MagCEA), University of Chile (2005)

Mathematical Engineering, University of Chile (2003)

Research Interests

Microeconomic Theory, Market Design, Industrial Organization, Social Networks

Publications

Delegating Learning (with Q. Zhang), 2021
Theoretical Economics

Protocol Invariance and the Timing of Decisions in Dynamic Games (with Ulrich Doraszelski), 2019
Theoretical Economics

Cooperation Dynamics in Repeated Games of Adverse Selection (with Gaston Llanes), 2018
Journal of Economic Theory

Trust in Cohesive Communities (with Felipe Balmaceda), 2017
Journal of Economic Theory

Motivating with Simple Contracts (with Carlos Pulgar), 2017
International Journal of Industrial Organization

Efficiency in Games with Markovian Private Information (with Juuso Toikka), 2013
Econometrica

Equilibrium Analysis of Dynamic Models of Imperfect Competition, 2013
International Journal of Industrial Organization

Restricted Feedback in Long Term Relationships (with Ulrich Doraszelski), 2012
Journal of Economic Theory

Monopolistic Competition in Electricity Networks with Resistance Losses (with Alejandro Jofré), 2010
Economic Theory

A Theory of Regular Markov Perfect Equilibria for Dynamic Stochastic Games: Genericity, Stability, and Purification (with Ulrich Doraszelski), 2010
Theoretical Economics

Chapters in Books

Equilibrium Analysis for a Network Market Model (with Alejandro Jofré), 2006, *Robust Optimization-Directed Design*, Springer, Eds A.J. Kurdila, P.M. Pardalos, M. Zabarankin

Working Papers

Revenue Maximization with Heterogeneous Discounting: Auctions vs Pricing (with José Correa and Andres Perloth), 2019
RR Theoretical Economics

School Choice in Chile (with J. Correa, R. Esptein, I. Rios, B. Bahhamondes, C. Bonet, N. Esptein. N. Aramayo, M. Castillo, A. Cristi), 2019
RR Operations Research

School choice and segregation (with Leonel Huerta), 2021
Submitted

A Spatial Theory of Urban Segregation (with Gian Luca Carniglia), 2020
Submitted

Grants and Awards

Semi-plenary talk, Stony Brook Game Theory Fest, 2019

Millennium Initiative Grant (for Institute for Research in Market Imperfections and Public Policy) as PI (2015-2024), USD 5,000,000

Chilean Government research grants Fondecyt as PI (2009-2012, 2013-2016, 2018-2020)

The Leonard W. Ely and Shirley R. Ely Graduate Student Fellowship (2008-2009)

Graduate Fellowship, Stanford University (2004-2006)

Visiting Positions

Visiting Toulouse School of Economics (December 2019-January 2020), EIEF Rome (January-March 2016), Wharton School of Business U Pennsylvania (September 2013), MIT (August 2011)

Teaching

Graduate courses Microeconomics I (MS, PhD), Microeconomics II (MS, PhD), Topics in Game Theory (MS, PhD)

Undergraduate courses Introduction to Economics, Microeconomics, Industrial Organization

Graduate and Postgraduate Advising

As principal thesis advisor: Carlos Pulgar (MS Applied Economics, 2012), Felix Said (MS Applied Economics, 2012), Juan Pablo Torres (MS Applied Economics, 2012), Claudio Palominos (MS Applied Economics, 2013), Felipe Carrera (MS Applied Economics, 2014), Paulina Arenas (MS Applied Economics, 2014), Pablo Cuellar (MS Applied Economics, 2014), Pablo Ferreiro (MS Applied Economics, 2015), Gian Luca Carniglia (MS Applied Economics, 2016), Martin Castillo (MS Applied Economics, 2017), Leon Hennen (MS Applied Economics, 2018), Andrea Canales (PhD Engineering Systems, 2018), Leonel Huerta (MS Applied Economics, expected 2019), Piero Zanolco (MS Applied Economics, 2019), Exequiel Padilla (MS Applied Economics, 2021), Hugo Leyton (MS Applied Economics, expected 2021), Jackie Zhang (Postdoctoral, 2016-2020), Diana McDonald (Postdoctoral, 2019-2020)

Other Activities

Member Econometric Society, American Economic Association

Referee Econometrica, American Economic Review, Review of Economic Studies, Theoretical Economics, Journal of Economic Theory, International Economic Review, Quantitative Economics, Games and Economic Behavior, Mathematics of Operations Research, Operations Research, among others

Organization of Scientific Events Workshop on Game Theory and Economic Behavior, Santiago de Chile, 2013 (with M. Triossi) , Workshop on Game Theory and Economic Behavior, Santiago de Chile, 2015 (with R. Ilklic), Workshop on Industrial Organization, 2015 (with C. Noton), Workshop on Dynamic Pricing, Santiago de Chile, 2017 (with J. Correa)

Main Consulting Activities

- ANDESS Chile (Main association of private providers for water and sanitary services in Chile), 2019-2020. Expert report on the regulatory procedures to determine tariffs.
- Subtel (Telecommunications Office), 2018-2020, Designing spectrum auctions (with J. Correa and R. Epstein).
- Subtel (Telecommunications Office), 2018-2019, Designing spectrum caps (with J. Correa and R. Epstein). Expert report presented to the TDLC (Chilean competition tribunal).
- Ministry of Education, 2016-2020, Designing the new school admission system in Chile (with J. Correa and R. Epstein). This is an application of matching theory to school assignment. The system will be applied nationwide in 2018.
- Ministry of Economics, 2016-2017, Auctions for fishing rights, (with R. Fischer and R. Ilklic). Proposal for auctioning off fishing quotas.
- Codelco (National Copper Corporation of Chile), Determinants of the spot price in an electrical system, 2013 (with R. Fischer). Proposal to determine the spot prices of gas under take or pay contracts.

Personal Information

Age 41

Citizenship Chile

Marital Status Married