

Ariel Soto-Caro

ASSOCIATE PROFESSOR OF ECONOMICS

Education

University of Florida

PHD FOOD AND RESOURCE ECONOMICS

- Dissertation: "Sanctuary Cities: Social and Economic Implications"
- Advisor: Dr. Zhengfei Guan.

Gainesville FL, USA

2022

Universidad de Concepción

MSC NATURAL RESOURCES AND ENVIRONMENTAL ECONOMICS

- Thesis: "Estimation of mackerel migration analyzing spatial behavior fishing fleet"
- Advisor: Dr. Hugo Salgado Cabrera.

Concepción, Chile

2010

Universidad de Concepción

GRADUATE IN BUSINESS MANAGEMENT

Concepción, Chile

2007

Universidad de Concepción

BSC ECONOMICS

Concepción, Chile

2006

FIELDS OF INTEREST

AGECON, LABOR, IMMIGRATION, PRODUCTION, INTERNATIONAL TRADE, INNOVATION

Teaching Experience

Food and Resource Economics Department, University of Florida

TEACHING ASSISTANT

- AEB6933 - Mathematical Optimization and Economic Analysis.[Ph.D. level]
- Prof. Dr. Spiro Stefanou

Gainesville FL, USA

Fall 2019

School of Business & Management, Universidad de Concepción

ASSOCIATE PROFESSOR

- Courses: Microeconomics theory I & II, Econometrics, and Research methodology (undergraduate).

Chillán, Chile

Jan. 2013 - PRESENT

Business Engineering School, Universidad Santo Tomás

ADJUNCT PROFESSOR

- Courses: Microeconomics I & II, Macroeconomics I & II, and Econometrics I (undergraduate).

Los Ángeles, Chile

2011 - 2012

Faculty of Economics and Business, Universidad San Sebastián

ADJUNCT PROFESSOR

- Course: Econometrics I (undergraduate).

Concepción, Chile

2010 - 2012

Research

PUBLICATIONS

- 2024 **Fanzo, de Steenhuijsen Piters, Soto-Caro, et al.**, Global and local perspectives on food security and food systems *Communications Earth & Environment*
[DOI: [10.1038/s43247-024-01398-4](https://doi.org/10.1038/s43247-024-01398-4)]
- 2023 **Soto-Caro, Wu, Xia, & Guan**, Demand analysis with structural changes: Model and application to the US blueberry market *Agribusiness*
[DOI: [10.1002/agr.21815](https://doi.org/10.1002/agr.21815)]
- 2023 **Soto-Caro, Vallad, Xavier, Abrahamian, Wu, & Guan**, Managing bacterial spot of tomato: do chemical controls pay off? *Agronomy*
[DOI: [10.3390/agronomy13040972](https://doi.org/10.3390/agronomy13040972)]
- 2022 **Soto-Caro, Luo, Wu, & Guan**, The U.S. Sweet Potato Market: Price Response and Impact of Supply Shocks *Horticulturae*
[DOI: [10.3390/horticulturae8100856](https://doi.org/10.3390/horticulturae8100856)]
- 2021 **Wu, Soto-Caro, & Guan**, Government Support in Mexican Agriculture: The Program of Agri-Food Productivity and Competitiveness *EFIS*
[<https://journals.flvc.org/edis/article/view/126891>]
- 2021 **Rivadeneira-Valenzuela, Soto-Caro, Bello-Escamilla, Concha-Toro, & Díaz-Martínez**, Parenting styles, overweight and child obesity: A cross-sectional study in Chilean children *Revista Chilena de Nutrición*
[DOI: [10.4067/S0717-75182021000100018](https://doi.org/10.4067/S0717-75182021000100018)]
- 2020 **Fuentes-Solís, Soto-Caro, Paredes, Oyarzo & Ramos**, Intellectual property in Latin America: the impact of innovation subsidies on Chilean firms *International Journal Of Intellectual Property Management*
[DOI: [10.1504/IJIPM.2020.112411](https://doi.org/10.1504/IJIPM.2020.112411)]
- 2019 **Pino & Soto-Caro**, Impact of farm protectionism on the use of agricultural inputs in Chile *Spanish Journal of Agricultural Research*
[DOI: [10.5424/sjar/2019171-13696](https://doi.org/10.5424/sjar/2019171-13696)]
- 2019 **Fuentes-Solís, Soto-Caro, & Paredes**, The Impact of Cooperation on Business Innovation in Developing Countries: Evidence from Chile in Latin America *Journal of Technological Management and Innovation*
[DOI: [10.4067/S0718-27242019000400031](https://doi.org/10.4067/S0718-27242019000400031)]
- 2017 **Bello-Escamilla, Rivadeneira, Concha-Toro, Soto-Caro, & Díaz-Martínez**, Family Quality of Life Scale (FQLS): validation and analysis in a Chilean population *Universitas Psychologica*
[DOI: [10.11144/Javeriana.upsy16-4.ecvf](https://doi.org/10.11144/Javeriana.upsy16-4.ecvf)]
- 2016 **Salgado & Soto-Caro**, Estimating biomass migration parameters by analysing the spatial behavior of the fishing fleet *Economics Analysis Review*
[DOI: [10.4067/S0718-88702016000100003](https://doi.org/10.4067/S0718-88702016000100003)]
- 2015 **Soto-Caro, Herrera, & Fuentes**, Social security and labor absenteeism in a regional health service *Rev Med Chile*
[DOI: [10.4067/S0034-98872015000800004](https://doi.org/10.4067/S0034-98872015000800004)]
- 2015 **Fuentes & Soto-Caro**, Non-technological innovations in Chilean agricultural firms: what motivates the decision to innovate and the propensity of innovation? *Ciencia e Investigación Agraria*
[DOI: [10.4067/s0718-16202015000200004](https://doi.org/10.4067/s0718-16202015000200004)]
- 2014 **Pino & Soto**, Analysis of wage flexibility across the Euro Area: evidence from the process of convergence on the labour income share ratio *Applied Economics*
[DOI: [10.1080/00036846.2014.934434](https://doi.org/10.1080/00036846.2014.934434)]

WORKING PAPERS

- 2019 **Soto-Caro, Wu, & Guan**, Evaluating Pest Management Strategies: A Robust Method and Its Application to Strawberry Disease Management *arXiv*
[DOI: [10.48550/arXiv.1908.01808](https://doi.org/10.48550/arXiv.1908.01808)]
- 2015 **Fuentes, Soto & Paredes**, Decisiones de Innovación en Empresas Chilenas: El Poder de la Cooperación *REPEC*
[ideas.repec.org/p/cat/dtecon/dt201504.html]
- 2010 **Salgado & Soto**, Estimación de la migración del jurel en la zona centro sur de Chile analizando el comportamiento espacial en la flota de pesca. Serie de Documentos de trabajo EconUdeC, Universidad de Concepción. *UdeC*

OTHER PUBLICATIONS

- 2019 **Author**, ceRtainty: R-package to compute Certainty Equivalent values. R package version 1.0.0. *CRAN repository*
[\[https://CRAN.R-project.org/package=ceRtainty\]](https://CRAN.R-project.org/package=ceRtainty)
- 2015 **Author**, Innovation and agronomy: an empirical review of the case for Chile. At Baporikar N. Editor, Handbook of research on entrepreneurship in the contemporary knowledge-based global economy. Hershey, PA: IGI Global. ISBN13: 9781466687981. *Chapter book*
[\[DOI: doi.org/10.4018/978-1-4666-8798-1.ch017\]](https://doi.org/10.4018/978-1-4666-8798-1.ch017)
- 2014 **Editorial Advisory Board**, Christiansen, B. - Handbook of research on economic growth and technological change in Latin America. Hershey, PA: IGI Global. ISBN13: 9781466662247. *Book*

PRESENTATIONS (FROM 2019)

- 2024 **Sociedad Chilena de Estudios Regionales (SOCHER) Annual Meeting**, Are Sanctuary Cities attracting undocumented immigrants? *Chillán, Chile, December 11-13*
- 2023 **Sustainable Energy Transitions Initiative (SETI - Efd) Annual Meeting**, Evaluating Pest Management Strategies: A Robust Method and Its Application to Strawberry Disease Management *Valdivia, Chile, June 15-16*
- 2023 **Sociedad Chilena de Estudios Regionales (SOCHER) Annual Meeting**, Sanctuary Cities and Its Effects on Labor Market *Valdivia, Chile, November 29-01*
- 2023 **American Economic Association (AEA - ASSA) Annual Meeting**, Are Sanctuary Cities Attracting Illegal Immigrants? (poster) *New Orleans LA, January 6-8*
- 2022 **Southern Agricultural Economics Association (SAEA) Annual Meeting**, Modeling the U.S. Sweet Potato Market and the Impact of Supply Shocks *New Orleans LA, February 12-15*
- 2022 **American Economic Association (AEA - ASSA) Annual Meeting**, Sanctuary City Status and the Effect on Labor Market *Held virtually, January 6-8*
- 2021 **Southern Agricultural Economics Association (SAEA) Annual Meeting**, Demand Models with Structural Changes: An Application to US Blueberries *Held virtually, February 6-9*
- 2021 **Agricultural and Applied Economics Association (AAEA) Annual Meeting**, Identifying Threshold for Intervention: Optimal Disease Management of Tomato Bacterial Spot *Austin TX, August 1-3*
- 2021 **Sociedad Chilena de Estudios Regionales (SOCHER) Annual Meeting**, Nested Demand System with Structural Changes: An application to the US blueberries *Held virtually, October 13-15*
- 2019 **Agricultural and Applied Economics Association (AAEA) Annual Meeting**, Evaluating Pest Management Strategies: A Robust Method and Its Application to Strawberry Disease Management *Atlanta GA, July 21-23*

Service

RAN - Revista Academia & Negocios

FOUNDER & EDITOR-IN-CHIEF

ran.udec.cl

ISSN: 0719-6245

2013 - PRESENT

Open Agriculture (DeGruyter)

EDITOR (AGRICULTURAL ECONOMICS SECTION)

degruyter.com/journal/key/opag

ISSN: 2391-9531

2020 - PRESENT

Communications Earth & Environment (Nature)

EDITORIAL BOARD MEMBER

www.nature.com/commsenv/editorial-board#ArielSotoCaro

ISSN: 2662-4435

2024 - PRESENT

Cross-journal collection: Food security and resilience

EDITOR

www.nature.com/collections/hddacfdca

ISSN: 2662-4435

2024 - 2025

Chilean Regional Studies Society

ELECTED DIRECTORY MEMBER

SOCHER

2021 - 2022

Reviewer for the following journals

REGIONAL SCIENCE POLICY & PRACTICE; ESTUDIOS GERENCIALES; ECONOMICS OF INNOVATION AND NEW TECHNOLOGY; COMMUNICATIONS EARTH & ENVIRONMENT; REVISTA UIS INGENIERÍAS; ENVIRONMENT AND DEVELOPMENT ECONOMICS; AGRIBUSINESS; ETC.

2017-2024

2021 Agricultural & Applied Economics Association (AAEA) Annual Meeting

REVIEWER: RISK MANAGEMENT SESSION

2021

Scholarships & Awards

UF Student Government Travel Grant for SAEA 2022 meeting in New Orleans LA

UNIVERSITY OF FLORIDA

Gainville, FL, USA

Spring 2022

Werner and Margaret C. Husmann Scholarship

UNIVERSITY OF FLORIDA

Gainville, FL, USA

2020 - 2021

J. R. Greenman Memorial Scholarship

UNIVERSITY OF FLORIDA

Gainville, FL, USA

2020 - 2021

Latin American-Caribbean (LAC) Scholarship

UNIVERSITY OF FLORIDA

Gainville, FL, USA

2018 - 2021

Grinter Fellowship

UNIVERSITY OF FLORIDA

Gainville, FL, USA

2017 - 2018

Doctorate Abroad Scholarship

NATIONAL COMMISSION FOR SCIENTIFIC AND TECHNOLOGICAL RESEARCH, CONICYT

Santiago, CHILE

2017 - 2021

Doctorate Abroad Scholarship

UNIVERSITY OF CONCEPCIÓN

Concepción, CHILE

2017 - 2022

Enrique Molina Garmendia Scholarship

UNIVERSITY OF CONCEPCIÓN

Concepción, CHILE

2002 - 2007

Membership

American Economic Association

INTERNATIONAL MEMBER

AEA

2021 - PRESENT

International Food and Agribusiness Management Association

INTERNATIONAL MEMBER

IFAMA

2020 - 2023

Agricultural & Applied Economics Association

REGULAR MEMBER AND PRESENTER IN ANNUAL MEETINGS

AAEA

2019 - PRESENT

Chilean Regional Studies Society

REGULAR MEMBER AND PRESENTER IN ANNUAL MEETINGS

SOCHER

2013 - PRESENT

Chilean Economics Society

REGULAR MEMBER AND PRESENTER IN ANNUAL MEETINGS

SECHI

2013 - 2017