

# ANA LUCÍA OÑA MACÍAS

## Post Doc

Swiss Paraplegic Research (since June 2023)

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✉ Burgamatte 1, 6208

📍 Oberkirch, Switzerland



## RESEARCH INTEREST

Health economics, applied economics, income inequality, data analysis, and public policy.

## EXPERIENCE

### Post Doc

**Swiss Paraplegic Research, Health Economics Group**

📅 Jun 2023- current

📍 Nottwil, Switzerland

- Social return of rehabilitation: focused on economic impact, aging and disability
- Coordination of international collaborations as InSCI
- Master thesis supervision

### Ph.D. student and teaching assistant

**Swiss Paraplegic Research, Health Services and Care Unit**

📅 Aug 2019- May 2023

📍 Nottwil, Switzerland

- Ph.D. project
- InSCI Ecuador, Iran, and Chile. Management, design, implementation and data analysis
- Teaching assistant: Health services evaluation and improvement

### Internship

**Viasuisse AG**

📅 Mar 2022- August 2022

📍 Biel, Switzerland

- Forecast and data analysis support
- Traffic accidents and canton policies analysis

### Academic

**Universidad de Atacama, Department of Commercial Engineering**

📅 Mar 2018 - Jun 2019

📍 Copiapó, Chile

- Teaching: Microeconomics, Econometrics and Statistical Software
- Coordinator for Economic and Exchange Activities.

### Researcher assistant

**Servicio de Rentas Internas, Research Center of the Ecuadorian Tax Administration**

📅 Jul 2011- Feb 2016

📍 Quito, Ecuador

- Long-term and short-term projects.
- Forecast and public policies evaluation.
- Coordination of academic dissemination events

## EDUCATION

### Ph.D. in Health Science

**University of Lucerne**

📅 Sep 2019 - Currently

Thesis project: The Health-Income Gap: To what extent does inequality explain the living situation of people with spinal cord injury (SCI)

### International Doctoral Program in Health Economics and Policy

**Swiss Society of Public Health (SSPH+) / Swiss Society of Health Economist (sggö)**

📅 Sep 2019 - Sep 2021

### M.Sc. in Statistics

**Pontificia Universidad Católica de Chile**

📅 Mar 2016 - Jan 2018

### M.Sc. in Economics, major: Development economics

**Facultad Latinoamericana de Ciencias Sociales Sede Ecuador (FLACSO)**

📅 Oct 2012 - Dec 2015

### Economics-Management License

**Université Jean Monnet-Saint Etienne**

📅 Oct 2008 - Apr 2013

### Economic Sciences and financial engineering

**Escuela Politécnica Nacional (EPN) - Ecuador**

📅 Oct 2007 - Jun 2012

## LANGUAGES

Spanish



English



German



## AWARDS AND GRANTS

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- **Research Partnership Grant. Leading House South Asia and Iran**  
Project: Catastrophic Health Expenditures Following Traumatic Spinal Cord Injury (SCI) Patients In Iran Role:Co-Investigator.
- **Research Partnership Grant. Leading House for the Latin American Region (2022-2023)**  
Project: The social response to people living with long-term health conditions. Role:Co-Investigator.
- **Winner Scientific Debate Training (Expo Dubai 2020)**  
Live debate at the Swiss Pavilion in the Expo Dubai 2020 during the Health and Wellness Week.
- **SSPH+ Global PhD Fellowship (2019-2022)**  
Marie Skłodowska-Curie Actions (Horizon 2020 - COFUND) Role: PhD student
- **VRI Scholarship (2016-2017)**  
Vicerectoría de Investigación, Universidad Católica de Chile Role: Master student
- **Master Scholarship (2012-2014)**  
Facultad Lationamericana de Ciencias Sociales Role: Master student

## PUBLICATIONS

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### Journal Articles

- Oña, Ana, Urban Schwegler, et al. (2024). "Disability, unemployment, and Inequality. A cross country comparison of the situation for persons with Spinal Cord Injury". In: *International Journal of Social Determinants of Health and Health Services-accepted*.
- Oña, Ana, Robel Tadele, et al. (2024). "Occupational injuries and their sociodemographic, workplace, and behavioral determinants among large scale factory workers in Ethiopia: a cross-sectional study". In: *submitted*.
- Oña, Ana, Kyriakides Athanasios, et al. (2023). "Unmet healthcare needs and health inequalities in people with spinal cord injury: a direct regression inequality decomposition". In: *International Journal for Equity in Health* 22.1, p. 56.
- Pincay, Jhonny, Ana Oña, and Damian Nomura (2023). "When Should We Report the Traffic Jams of Today? A Case Study on a Swiss Highway Using Graph Neural Networks and Expert Knowledge." In: pp. 150–158.
- Oña, Ana, Vegard Strøm, et al. (2021). "Health inequalities and income for people with spinal cord injury. A comparison between and within countries". In: *SSM-Population Health*, p. 100854.
- Pacheco Barzallo, Diana, Ana Oña, and Armin Gemperli (2021). "Unmet health care needs and inequality: A cross-country comparison of the situation of people with spinal cord injury". In: *Health Services Research*.
- Burgos Videla, Carmen, Ana Lucía Oña Macías, and Wilson Castillo Rojas (2020). "Analysis and implementation of free education at the University of Atacama". In: *IJERI: International Journal of Educational Research and Innovation* 14, pp. 1–16.
- Oña Macías, Ana Lucía and Sergio Troncoso Iguá (2018). "Finding anomalous data in taxation. Application of Benford's Law in Income Tax in Ecuador". In: *SABERES* 10.2, pp. 173–188.

### Book Chapters

- Cabrera, Diana, Edwin Espinoza, and Ana Oña (2020). "Inequality of Income and Job Satisfaction in Ecuador between Genders and Ethnic Groups". In: *Gender Inequality in Latin America*. Brill, pp. 230–251.

## STRENGTHS

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Proactive

Multidisciplinary skills

Adaptability

Motivator & Leader

R

Stata

## PROJECTS

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Academic risk index for the University of Atacama

**Atacama University/ Researcher**

 2018 - 1 year

 Copiapó, Chile

Methodological guide to analyze fuel efficiency in the Chilean transport sector

**Desert Point/ Researcher**

 2017- 6 months

 Santiago, Chile

Failure prediction for preventive maintenance of pumping equipment

**UC innovation center/ Researcher**

 2017-4 months

 Santiago, Chile

Probability of payment and optimization of strategies for the Tax Administration in Ecuador

**Servicio de Rentas Internas/ Researcher assistant**

 2013-2014-1 year

 Quito, Ecuador