

ANA ARMENDARIZ

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PhD candidate in Econometrics with a focus on causal inference, causal machine learning and policy learning.

EDUCATION

PhD in Econometrics , University of St Gallen, Switzerland	2023 – Expected 2027
Master in Data Analytics and Economics , University of Fribourg, Switzerland	2021 – 2023
GPA: 5.35/6	
Bachelor in Economics , Universidad de las Américas, Ecuador	2017 – 2021
GPA: 3.4/4	

SKILLS

Programming Languages	Python *** (NumPy, pandas, PyTorch), R ***, SQL ***, Git **, Stata **
	Spanish (native), English (C1), French (B2), Russian (B1), German (A1)

WORK EXPERIENCE

Innovation Lab Officer Fribourg School of Management	June 2022 – June 2023 <i>Fribourg, Switzerland</i>
Designed and developed a mobile app to monitor affiliated startups (View app).	
Junior Analyst Vamos Pasajes	August 2019 – June 2020 <i>Quito, Ecuador</i>
Created automated reports and KPIs to streamline data analysis and decision-making.	

ACADEMIC WORK EXPERIENCE

Visiting PhD Researcher Universidad Autónoma de Madrid	February 2026 – July 2026 <i>Madrid, Spain</i>
Research visit funded by the SNF DocMobility Grant. Hosted by the Departamento de Análisis Económico under the supervision of Eugenio Zucchelli, Jorge García Hombrados & Ana Nuevo Chiquero.	
Research Assistant Supervisor Prof. Dr. Michael Lechner	August 2023 – Present <i>St Gallen, Switzerland</i>
Swiss Institute for Empirical Economic Research	
<ul style="list-style-type: none">Teaching Assistant: Causal Machine Learning (PhD level) & Microeconometrics (Master's level).Developed documentation and testing frameworks for the Python package mcf.	
Research Assistant Supervisor Prof. Dr. Martin Huber	July 2022 – October 2022 <i>Fribourg, Switzerland</i>
Chair of Applied Econometrics and Policy Evaluation	
<ul style="list-style-type: none">Contributed to editing and implementing referee report revisions.	

RESEARCH PROJECTS

Testing Effect Heterogeneity and Confounding in High-Dimensional Experimental and Observational Studies. *With Martin Huber.* We propose a framework for testing the homogeneity of conditional average treatment effects (CATEs) across multiple experimental and observational studies.

Overfitting in Policy Learning. *With Michael Lechner & Jana Marečková.* We propose a method to detect overfitting in policy learning models and develop tools to help applied researchers mitigate this issue.

Placebo-based Diagnostics for Heterogeneous Treatment Effects. *With Linda Odermatt, Michael Lechner & Jana Marečková.* We develop a sensitivity analysis tool for applied researchers which makes minimal parametric assumptions.

Impact Evaluation of Drug Consumption Rooms on Health and Criminal Outcomes. *Single author.* This study estimates the causal impact of the availability of Drug Consumption Rooms on health outcomes related to drug use.

AWARDS & GRANTS

DocMobility Grant Swiss National Science Foundation (via University of St Gallen)	October 2025 <i>Switzerland</i>
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PhD Project Fund

Swiss Society of Health Economics

June 2025

Switzerland

Aschinger Prize for Latin American Academic Achievement

University of Fribourg

September 2023

Fribourg, Switzerland

Honor Roll

Universidad de las Américas

Spring 2020 & Autumn 2021

Quito, Ecuador

José Corsino Cárdenas Research Prize (second place)

Central Bank of Ecuador

April 2021

Quito, Ecuador

Finalist at National English Olympiads

School No 48

June 2017

Minsk, Belarus

Citizenship Award

Samuel Tucker Elementary School

June 2008

Virginia, USA

TEACHING

Microeconometrics (Master), University of St Gallen

Spring 2025

Macroeconomics (Assessment), University of St Gallen

Spring 2025

Causal Machine Learning (PhD, organizational tasks), University of St Gallen

Autumn 2024 & Spring 2025

Applied Econometrics (Bachelor), University of Fribourg

Autumn 2022

International Economics (Bachelor), Universidad de las Américas

Autumn 2019–2020

Principles of Economics (Bachelor), Universidad de las Américas

Autumn 2019–2020

CONFERENCES & PRESENTATIONS

Research Seminar – Department of Economic Analysis, Theory and History

April 2026

Universidad Autónoma de Madrid

Madrid, Spain

Health Economics of Risky Health Behavior (HERB)

January 2026

University of Bologna

Bologna, Italy

VOLUNTEERING

Workshop Instructor, [Fundación Avanzar](#)

April 2026 – Present

Cuenca, Ecuador

Designed and delivered workshops on costs and budgeting for women entrepreneurs from vulnerable backgrounds.

RELEVANT COURSES

Machine Learning for Treatment Effects and Structural Equation Models

August 2024

Study Center Gerzensee

Gerzensee, Switzerland

Winter School in Data Analytics & Machine Learning

February 2022

University of Fribourg

Fribourg, Switzerland

Introduction to Data Analysis and Econometrics

July 2019

Yale University

New Haven, USA

Topics in International Economics

July 2019

Yale University

New Haven, USA