

Pablo Geraldo Bastías

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ACADEMIC POSITIONS

University of Oxford - Nuffield College

2023 - Postdoctoral Prize Research Fellow in Sociology

[Leverhume Centre for Demographic Science](#) (Oxford)

[Practical Causal Inference Lab](#) (UCLA)

[Social Inequality Data Science Lab](#) (UCLA)

EDUCATION

University of California-Los Angeles (UCLA)

2023 Ph.D. in Sociology

2023 (expected) M.S. in Statistics

2019 M.A. in Sociology

Universidad Católica de Chile (PUC-Chile)

2015 M.S. in Sociology

2010 B.S. in History

PUBLICATIONS

Peer-reviewed

2023+ Koch, B., Sainburg, T., **Geraldo, P.**, Jiang, S., Foster, J., and Sun, Y., "Deep Learning for Causal Inference." Conditionally accepted at *Sociological Methods and Research*) [\[draft\]](#)

2021 Brand, J.E., Xu, J., Koch, B., and **Geraldo, P.**, "[Uncovering Sociological Effect Heterogeneity Using Tree-Based Machine Learning](#)." *Sociological Methodology*, 51(2): 189-223

2020 **Geraldo, P.** & Brand, J.E., "[Causal Inference](#)." *Oxford Bibliographies in Sociology*, Ed. Lynette Spillman. New York: Oxford University Press.

2019 Gonzalez, K., **Geraldo, P.**, Estay, M., & Franklin, C. "[Solution-Focused Brief Therapy for Individuals With Alcohol Use Disorders in Chile](#)." *Research in Social Work Practice*, 29(1): 19-35

Book Chapters

2018 **Geraldo, P.** "[Secondary Schools' Vocational Track and the Reproduction of Social Inequality](#)." *National Thesis Award: Thinking the Youth 2015*. Santiago, INJUV: 66-87 (in Spanish)

- 2018 Maldonado L., & **Geraldo P.** “Fixed Effects Regression and Effect Heterogeneity.” In: Giesselmann M., Golsch K., Lohmann H., Schmidt-Catran A. (eds) *Lebensbedingungen in Deutschland in der Längsschnittperspektive*. Springer VS, Wiesbaden: 301-314
- 2013 **Geraldo, P.** “The Crisis of Chilean Marxist Historiography.” *Proceeding of 5th International Congress in Philosophy and Theory of History*. Viña del Mar, UAI: 283-291 (in Spanish)
- 2012 **Geraldo, P.** “Catholic Church Members during Popular Unity Government.” *Simon Collier Seminar*. Santiago, History Department, Universidad Católica de Chile: 79-111 (in Spanish)

RESEARCH EXPERIENCE (Selected)

Experimentation and Causal Inference, Netflix June 2022-September 2022

Position: Summer Graduate Intern

Schedule: Full time

Description: Partnering with engineers in streaming networks, I worked on improving the experimental design and modeling used to analyze cluster-randomized trials at Netflix.

University of California Los Angeles April 2020-2023

Position: Graduate Research Assistant

Schedule: Part time / Full time

Description: Study of cultural and behavioral innovation among Capuchin monkeys using 20 years of observational data. In collaboration with [Susan Perry](#) and [Jacob Foster](#).

University of California Los Angeles July-September 2019

Position: Graduate Research Assistant

Schedule: Full time

Description: With [Jacob Foster](#) and team, we studied applications of Multi Agent Reinforcement Learning (MARL) to the Social Sciences in the context of sequential social dilemmas.

Center for Public Policy, Catholic University of Chile October 2016-September 2017

Position: Researcher and Project Coordinator

Schedule: Full time

Description: I led a multidisciplinary team in the successful implementation of the [Labor Market Observatory for the Metropolitan Region of Chile](#). Funded by National Service of Training and Employment (SENCE) and the Society for Industrial Development (SOFOFA)

Research Department, Agency for Quality in Education March 2015-September 2016

Position: Researcher

Schedule: Full time

Description: I conducted quantitative analysis of educational data, leading the elaboration of public reports based on the Chilean census of students and national standardized tests. I developed explanatory models of achievement gaps based on socioeconomic status, gender, and educational track.

HONORS & AWARDS

- 2023 **6th Annual Robert Mare Lecture**
For a graduating student to present in the CCPR seminar
- 2022 **ACIC Netflix Travel Award**
To attend and present at the *American Causal Inference Conference (ACIC)*
- 2019 **RC28 Aage B. Sørensen Conference Travel Award**
In recognition of good scholarship in stratification research
- 2015 **Thinking the Youth National Thesis Award**
First Place in Graduate Category. National Youth Institute (INJUV)
- 2011 **Simon Collier Historical Research Monograph Award**
Honorable mention. History Department, Catholic University of Chile
- 2010 **Jaime Eyzaguirre Academic Achievement Award**
Ranked 1st in B.A. class. History Department, Catholic University of Chile
- 2007-2009 **Matrícula de Honor Academic Excellence Award**
Distinguished admission (2007), and best academic performance (2008, 2009), History Department, Catholic University of Chile

FELLOWSHIPS & SCHOLARSHIPS

- 2022-2023 **UCLA Dissertation Year Fellowship**
Full funding to complete doctoral dissertation
- 2021 **UCLA Summer Mentored Research Fellowship**
Research on the use of graphical models for causal inference, with Jacob Foster
- 2020 **UCLA Graduate Summer Research Mentorship Program**
Research on causality and social science genomics, with Jacob Foster
- 2019 **RSF Summer Institute in Social Science Genomics**
Two weeks training on the use of genomic data for social sciences
- 2018 **UCLA Graduate Summer Research Mentorship Program**
Research on education and causal inference, with Jennie E. Brand
- 2018-2021 **National Agency for Research and Development (ANID)**
Stipend for doctoral studies (Becas Chile)
- 2017-2022 **UCLA Sociology Department Fellowship**
Full funding for doctoral studies
- 2013-2014 **National Commission for Scientific and Technological Research (CONICYT)**
Full funding for master studies in Chile
- 2013-2014 **"Volcán Calbuco" Foundation in Chile**
Tuition Fellowship for master studies in Humanities and Social Sciences

PRESENTATIONS

- 2022 "Building DAGs from the bottom-up." *American Causal Inference Conference (ACIC)*, Berkeley, CA, May [Poster session]
- 2022 "A toolkit for the study of behavioral repertoires in wild primate populations." *Max Planck Institute for Evolutionary Anthropology*, Virtual Presentation, March

- 2021 "Moving beyond templates of empirical research." ASA, Virtual Annual Meeting, Quantitative Methodology Session, August
- 2021 "Deep Learning of Potential outcomes." PAA, Virtual Annual Meeting, May
- 2020 "Using Machine Learning to predict educational transitions." ASA, San Francisco, CA, August [Roundtable, cancelled due to Covid-19]
- 2019 "Schools as Sorting Machines: The Case of Vocational Tracking in Chile." PAA, Austin, TX, April; RC28, Princeton, NJ, August
- 2019 "A Network Approach to Career and Technical Education in Chile." PAA, Austin, TX, April [Poster session]
- 2016 "Using causal diagrams in social research." 9th Chilean Congress of Sociology, Universidad Católica de Talca, Talca, Chile, October
- 2015 "Impacts of High School Vocational Education in Chile." 1st International Congress of Education and Poverty, Villarrica, Chile, January
- 2014 "Primary and Secondary Effects of Vocational School Track in Chile." 8th Chilean Congress of Sociology, Universidad Central, La Serena, Chile, October

POLICY REPORTS (in Spanish)

I participated in the design, research, data analysis, and writing of the following policy reports. All were collective efforts and as such they have institutional authorship ascribed.

- 2018 ["Current situation and critical aspects in the Chilean system of Technical and Vocational Education and Training."](#) Center for Public Policy, Catholic University of Chile
- 2018 ["Training, Skills, and Productivity. Proposals to improve Technical Education in Chile."](#) Center for Public Policy, Catholic University of Chile
- 2016 ["Landscape of High School Vocational Education in Chile."](#) Agency for Quality in Education, Government of Chile
- 2016 ["Effects of Public Schools' Principals recruited by Public Competition."](#) Agency for Quality in Education, Government of Chile
- 2015 ["Factors Associated to Academic Achievement and Social and Personal Development."](#) Agency for Quality in Education, Government of Chile
- 2015 ["Initial Teacher Training in Chile: A Literature Review."](#) Agency for Quality in Education, Government of Chile

TEACHING

Lecturer

Formation and Development of Modern Society (Sociology, PUC Chile, Fall 2017)
Quantitative Methodology (Government, Universidad de Talca, Chile, Fall 2017)

Teaching Assistant/Associate

UCLA

Causality. Graduate Statistics

Introduction to Sociology. Undergraduate Sociology

Spring 2021

Spring 2019 & Fall 2019

<i>Introduction to Sociological Research Methods. Undergraduate Sociology</i>	Spring 2020
<i>Statistical and Computational Methods for Social Research</i>	Fall 2018/2020 & Winter 2019-2021

PUC, Chile

<i>Causal Inference. Graduate Sociology</i>	Fall 2015-2016
<i>Critical Theory. Undergraduate Philosophy</i>	Fall 2012
<i>Philosophical Anthropology. Undergraduate Philosophy</i>	Fall 2012
<i>Historiography. Undergraduate History</i>	Spring 2009/2010 & Fall 2011
<i>Contemporary History. Undergraduate History</i>	Spring 2009/2010
<i>20th Century Latin America. Undergraduate History</i>	Spring 2009/2010

Workshop Instructor

<i>An introduction to (quasi) experimental methods (UDP, Chile)</i>	Fall 2022
<i>A Crash Course in Causal Inference (UCLA)</i>	Winter 2020, Summer 2020/2021
<i>Supervised Machine Learning for Social Sciences (UCLA)</i>	Summer 2018

SERVICE

Student representative, PhD Admission Committee	2022
Student organizer, <i>Summer Institute in Computational Social Science-UCLA</i>	2019, 2020, 2021
Student coordinator, <i>Experimental Methods Working Group</i>	2022-2023
Student coordinator, <i>Computational Sociology Working Group</i>	2019-2021
Student coordinator, <i>Stratification, Inequality and Mobility Working Group</i>	2018-2020

Reviewer for *American Journal of Sociology*, *Educational Management Administration & Leadership*, *AERA Open*

TECHNICAL SKILLS

General: Unix/OSX, L^AT_EX, [R]markdown, git/GitHub

Programming: advanced R (data wrangling, visualization, modeling); intermediate Python and Stata (wrangling, modeling, pandas and scikit-learn); basic Julia (algorithms, visualization); working proficiency in Bash and SQL

Additional training:

2023	<i>Complexity Science Summer School - Santa Fe Institute</i> (Four weeks)
2022	<i>Mathematics of Collective Intelligence - UCLA IPAM</i> (Five days)
2019	<i>RSF Summer Institute in Social Science Genomics</i> (Two weeks)

Languages: Spanish (native), English (fluent)