

Joel Ardiaca

🌐 joelardiaca.github.io

✉ joel.ardiaca.1999@gmail.com

Centre d'Estudis d'Opinió

Pau Claris 138, 08009 - Barcelona (Catalonia)

Research Interests

Survey Methodology, Nonresponse, Public Opinion, Quantitative Methods for Political Science, Machine Learning, Bayesian Statistics, Multilevel Models, Longitudinal Data Analysis, Spatial Data Analysis

Education

PhD Candidate in Political Science 2024 - 2028 (Expected)

Universitat de Barcelona (UB)

Title: Essays on survey nonresponse

Supervisors: Jordi Muñoz & Xavier Fernández-i-Marín

Master in Statistics and Operations Research 2022 - 2024

Universitat Politècnica de Catalunya (UPC)

Master thesis on Multilevel Regression with Poststratification for Survey Data with Xavier Puig

Bachelor in Applied Statistics 2016 - 2022

Universitat Autònoma de Barcelona (UAB)

Bachelor in Sociology 2016 - 2022

Universitat Autònoma de Barcelona (UAB)

Research

Publications

Peer-reviewed articles

1. Tormos, R., Galais, C., **Ardiaca, J.** (forthcoming). Bridging the Age Gap: The Impact of Age-Specific Priming on Political Interest. *Political Science Research and Methods*.

Book chapters

1. Muñoz, J. & **Ardiaca, J.** (2025). El comportamiento político y electoral en España. In Reniu, J.M. (Ed.) *Manual del Sistema Político Español* (pp. 395-422). Atelier.

Working papers

3. **Ardiaca, J.**, Muñoz, J., Tormos, R. Improving Representativeness in Probability-Based Panel Recruitment through Adaptive Survey Design: Evidence from the Catalan Citizen Panel. *Draft available upon request*
2. Guinjoan, M., Rodon, T., **Ardiaca, J.** Public Support for Climate Policies: Costs, Redistribution, and Partisan Divides. *R&R at West European Politics*
1. Backström, K., Lundmark, S., Vento, I., Tormos, R., Cassel, F., Sirén, R., Backström, J., **Ardiaca, J.**, Strandberg, K., Muñoz, J. The Effect of Targeting and Framing on Panel Recruitment: A Comparison Across Three Countries and Four Panels. *R&R at Field Methods*

Participation in Research Projects

Backlash: the Politics of Reaction 2026 - 2030

PI: Jordi Muñoz, Universitat de Barcelona (UB)

Member

Political Attitudes, Climate Change, and Support for Mitigation Policies (ATTCLIMATE) 2023 - 2024

PI: Toni Rodon, Universitat Pompeu Fabra & Marc Guinjoan, Universitat Oberta de Catalunya (UOC)

Research Assistant

Conference Presentations, Workshops and Seminars

DEC UAB Workshop on Experiences in Social Science panel construction and management, Barcelona	January 2026
GESIS Workshop on Adaptive Survey Design, Mannheim	November 2025
European Survey Research Association (ESRA), Utrecht	July 2025
European Political Science Association (EPSA), Madrid	June 2025
Jornades de Comportament Polític i Opinió Pública (JCPOP), Barcelona	November 2024

Employment

Employment History

Statistician Centre d'Estudis d'Opinió. Generalitat de Catalunya	2023 - current
Professional internship in the Public Sector Department KPMG	2021 - 2022 (6 months)

Extra and Consultancy Work

Survey implementation in Qualtrics For Universities and Public Sector projects	2025
Spatial Data Preprocessing and Analysis For a private-sector policy evaluation project	2025

Teaching Experience

Undergraduate Level

Analysis and visualization of quantitative data (TA, with Sergi Ferrer) Universitat Oberta de Catalunya (UOC) <i>International Relations, Sociology and Political Science</i>	2025-26
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Short Courses and Lectures

Introduction to Statistics with Jamovi (16h) Escola d'Administració Pública de Catalunya (EAPC) <i>Specific course for public servants</i>	2025
Improving Workflow and Data Management with R (4h) Universitat de Barcelona (UB) <i>Postgraduate course on Data Analyst for Political Analysis and Public Management</i>	2023-24, 2024-25

Course Material Development

Course material development – Practical exercises on Electoral Analysis using R Universitat Autònoma de Barcelona (UAB)	2024
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Knowledge Transfer

Methodological Notes

Les ponderacions per l'enquesta longitudinal (<i>in Catalan</i>) Published on the Web del CEO, Centre d'Estudis d'Opinió	April 2025
Comparacions per parelles per establir un ordre de prioritats (<i>in Catalan</i>)	September 2023

Public Outreach

El suport a les polítiques de canvi climàtic: costos, beneficis i expectatives (*in Catalan*) February 2025
Published on the 5 cèntims blog with Marc Guinjoan & Toni Rodon

Additional Training

Introduction to Small Area Estimation GESIS Cologne. Summer School in Survey Methodology (35h.) <i>Instructor: Angelo Moretti</i>	2025
Representation Bias in Probability & Non-Probability Surveys ESRA Utrecht. Short course (4h.) <i>Instructor: Björn Rohr and Barbara Felderer</i>	2025
Survey response quality assessment: Conceptual approaches & practical indicators ESRA Utrecht. Short course (4h.) <i>Instructor: Matthias Roth and Daniil Lebedev</i>	2025
Causal Inference Universitat Pompeu Fabra. RECSM Summer Methods School (12h.) <i>Instructor: Bruno Arpino</i>	2025
Causal Inference Universitat Politècnica de Catalunya. MESIO Summer School (15h.) <i>Instructor: Aleix Ruiz de Villa Robert</i>	2024
Game Theory & Applications Universitat Politècnica de Catalunya. MESIO Summer School (15h.) <i>Instructor: Pedro Calleja Cortes</i>	2024
Measuring Citizen's Digital Behaviours Using Web Trackers & Data Donations Universitat Pompeu Fabra. RECSM Winter Methods School (9h.) <i>Instructor: Oriol Bosch</i>	2024
Creation of Shiny Web Applications Universitat Politècnica de Catalunya. MESIO Summer School (15h.) <i>Instructor: Isaac Subirana</i>	2023

Skills

Programming: R (advanced), Stan, Python & SQL (intermediate), AMPL (basic)

Software: L^AT_EX, Qualtrics, SAS & Office 365 (ACTIC 3 Certificate)

Languages

Catalan: Native speaker

Spanish: Native speaker

English: Fluent (Advanced CAE - Score 201, C2 equivalent)

German: Basic (Goethe-Zertifikat B1)