

Joel Ardiaca

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Centre d'Estudis d'Opinió
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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 Universitat de Barcelona (UB) <i>Title: Essays on survey nonresponse</i> <i>Supervisors: Jordi Muñoz and Xavier Fernández-i-Marín</i>	2024 - 2028 (Expected)
Master in Statistics and Operations Research Universitat Politècnica de Catalunya (UPC) <i>Master thesis on Multilevel Regression with Poststratification for Survey Data with Xavier Puig</i>	2022 - 2024
Bachelor in Applied Statistics Universitat Autònoma de Barcelona (UAB)	2016 - 2022
Bachelor in Sociology Universitat Autònoma de Barcelona (UAB)	2016 - 2022

Research

Work in Progress

Guinjoan, M., Rodon, T., Ardiaca, J. Public Support for Climate Policies: Costs, Redistribution, and Partisan Divides. *Presented at EPSA 2025*

Muñoz, J., Ardiaca, J., Tormos, R. Improving Representativeness in Probability-Based Panel Recruitment through Adaptive Survey Design: Evidence from the Catalan Citizen Panel. *Presented at JCPOP 2024, EPSA 2025 and ESRA 2025*

Tormos, R., Galais, C., Ardiaca, J. Bridging the Age Gap: The Impact of Age-Specific Priming on Political Interest. *Revise and Resubmit*

Participation in Research Projects

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

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 2023 - current
Centre d'Estudis d'Opinió. Generalitat de Catalunya

Extra and Consultancy Work

Survey implementation in Qualtrics
For Universities and Public Sector projects

2025

Teaching Experience

Short Courses and Lectures

Introduction to Statistics with Jamovi (16h)
Escola d'Administració Pública de Catalunya (EAPC)
Specific course for public servants

2025

Improving Workflow and Data Management with R (4h)
Universitat de Barcelona (UB)
Postgraduate course on Data Analyst for Political Analysis and Public Management

2023-24, 2024-25

Course Material Development

Course material development – Practical exercises on Electoral Analysis
Universitat Autònoma de Barcelona (UAB)

2023

Knowledge Transfer

Methodological Notes

Les ponderacions per l'enquesta longitudinal (in Catalan)
Published on the Web del CEO, Centre d'Estudis d'Opinió

April 2025

Comparacions per parelles per establir un ordre de prioritats (in Catalan)
Published on the Web del CEO, Centre d'Estudis d'Opinió

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 and Toni Rodon

Additional Training

Introduction to Small Area Estimation
GESIS Cologne. Summer School in Survey Methodology (35h.)
Instructor: Angelo Moretti

2025

Representation Bias in Probability and Non-Probability Surveys
ESRA Short course (4h.)
Instructor: Björn Rohr and Barbara Felderer

2025

Survey response quality assessment: Conceptual approaches and practical indicators
ESRA Short course (4h.)
Instructor: Matthias Roth and Daniil Lebedev

2025

Causal Inference
Universitat Pompeu Fabra. RECSM Summer Methods School (12h.)
Instructor: Bruno Arpino

2025

Causal Inference	2024
Universitat Politècnica de Catalunya. MESIO Summer School (15h.)	
<i>Instructor: Aleix Ruiz de Villa Robert</i>	
Game Theory and Applications	2024
Universitat Politècnica de Catalunya. MESIO Summer School (15h.)	
<i>Instructor: Pedro Calleja Cortes</i>	
Measuring Citizen's Digital Behaviours Using Web Trackers and Data Donations	2024
Universitat Pompeu Fabra. RECSM Winter Methods School (9h.)	
<i>Instructor: Oriol Bosch</i>	
Creation of Shiny Web Applications	2023
Universitat Politècnica de Catalunya. MESIO Summer School (15h.)	
<i>Instructor: Isaac Subirana</i>	

Skills

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

Software: L^AT_EX, Qualtrics and SAS

Languages

Catalan: Native speaker

Spanish: Native speaker

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

German: Basic (Goethe-Zertifikat B1)

Last updated: September 12, 2025