

# Joel Ardiaca

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Centre d'Estudis d'Opinió

Pau Claris 138, 08009 - Barcelona (Catalonia)

## Research Interests

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

## Education

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**PhD Candidate in Political Science** 2024 - 2028 (Expected)

Universitat de Barcelona (UB)

*Title: Essays on survey nonresponse*

*Supervisors: Jordi Muñoz and 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

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### 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

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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

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### Employment History

**Statistician** 2023 - current

Centre d'Estudis d'Opinió. Generalitat de Catalunya

## Extra and Consultancy Work

**Survey implementation in Qualtrics** 2025  
For Universities and Public Sector projects

## Teaching Experience

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### Short Courses and Lectures

**Introduction to Statistics with Jamovi (16h)** 2025  
Escola d'Administració Pública de Catalunya (EAPC)  
*Specific course for public servants*

**Improving Workflow and Data Management with R (4h)** 2023-24, 2024-25  
Universitat de Barcelona (UB)  
*Postgraduate course on Data Analyst for Political Analysis and Public Management*

### Course Material Development

**Course material development – Practical exercises on Electoral Analysis** 2023  
Universitat Autònoma de Barcelona (UAB)

## Knowledge Transfer

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### Methodological Notes

**Les ponderacions per l'enquesta longitudinal (*in Catalan*)** April 2025  
Published on the Web del CEO, Centre d'Estudis d'Opinió

**Comparacions per parelles per establir un ordre de prioritats (*in Catalan*)** September 2023  
Published on the Web del CEO, Centre d'Estudis d'Opinió

### 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

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**Introduction to Small Area Estimation** 2025  
GESIS Cologne. Summer School in Survey Methodology (35h.)  
*Instructor: Angelo Moretti*

**Representation Bias in Probability and Non-Probability Surveys** 2025  
ESRA Short course (4h.)  
*Instructor: Björn Rohr and Barbara Felderer*

**Survey response quality assessment: Conceptual approaches and practical indicators** 2025  
ESRA Short course (4h.)  
*Instructor: Matthias Roth and Daniil Lebedev*

**Causal Inference** 2025  
Universitat Pompeu Fabra. RECSM Summer Methods School (12h.)  
*Instructor: Bruno Arpino*

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

## Skills

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

**Software:** L<sup>A</sup>T<sub>E</sub>X, Qualtrics and SAS

## Languages

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**Catalan:** Native speaker

**Spanish:** Native speaker

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

**German:** Basic (Goethe-Zertifikat B1)