

# Joel Ardiaca

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## 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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<b>PhD Candidate in Political Science</b> Universitat de Barcelona (UB) <i>Title: Essays on survey nonresponse</i> <i>Supervisors: Jordi Muñoz &amp; Xavier Fernández-i-Marín</i>	2024 - 2028 (Expected)
<b>Master in Statistics and Operations Research</b> Universitat Politècnica de Catalunya (UPC) <i>Master thesis on Multilevel Regression with Poststratification for Survey Data with Xavier Puig</i>	2022 - 2024
<b>Bachelor in Applied Statistics</b> Universitat Autònoma de Barcelona (UAB)	2016 - 2022
<b>Bachelor in Sociology</b> Universitat Autònoma de Barcelona (UAB)	2016 - 2022

## Research

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### Publications

#### 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.

### Work in Progress

4. **Ardiaca, J.**, Muñoz, 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 & ESRA 2025*
3. Guinjoan, M., Rodon, T., **Ardiaca, J.** Public Support for Climate Policies: Costs, Redistribution, and Partisan Divides. *Presented at EPSA 2025. Under Review*
2. Tormos, R., Galais, C., **Ardiaca, J.** Bridging the Age Gap: The Impact of Age-Specific Priming on Political Interest. *Under review*
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. *Under Review*

### 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, Workshops and Seminars**

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<b>GESIS Workshop on Adaptive Survey Design, Mannheim</b>	November 2025
<b>European Survey Research Association (ESRA), Utrecht</b>	July 2025
<b>European Political Science Association (EPSA), Madrid</b>	June 2025
<b>Jornades de Comportament Polític i Opinió Pública (JCPOP), Barcelona</b>	November 2024

## **Employment**

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### **Employment History**

<b>Statistician</b> Centre d'Estudis d'Opinió. Generalitat de Catalunya	2023 - current
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<b>Professional internship in the Public Sector Department</b> KPMG	2021 - 2022 (6 months)
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## **Extra and Consultancy Work**

<b>Survey implementation in Qualtrics</b> For Universities and Public Sector projects	2025
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<b>Spatial Data Preprocessing and Analysis</b> For a private sector policy evaluation project	2025
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## **Teaching Experience**

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### **Short Courses and Lectures**

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

<b>Course material development – Practical exercises on Electoral Analysis</b> Universitat Autònoma de Barcelona (UAB)	2024
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## **Knowledge Transfer**

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### **Methodological Notes**

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

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

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<b>Introduction to Small Area Estimation</b>	2025
GESIS Cologne. Summer School in Survey Methodology (35h.)	
<i>Instructor: Angelo Moretti</i>	
<b>Representation Bias in Probability &amp; Non-Probability Surveys</b>	2025
ESRA Short course (4h.)	
<i>Instructor: Björn Rohr and Barbara Felderer</i>	
<b>Survey response quality assessment: Conceptual approaches &amp; practical indicators</b>	2025
ESRA Short course (4h.)	
<i>Instructor: Matthias Roth and Daniil Lebedev</i>	
<b>Causal Inference</b>	2025
Universitat Pompeu Fabra. RECSM Summer Methods School (12h.)	
<i>Instructor: Bruno Arpino</i>	
<b>Causal Inference</b>	2024
Universitat Politècnica de Catalunya. MESIO Summer School (15h.)	
<i>Instructor: Aleix Ruiz de Villa Robert</i>	
<b>Game Theory &amp; 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 &amp; 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 & SQL (intermediate), AMPL (basic)

**Software:** L<sup>A</sup>T<sub>E</sub>X, Qualtrics, SAS & Office 365 (ACTIC 3 Certificate)

## Languages

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**Catalan:** Native speaker

**Spanish:** Native speaker

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

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