Oriol J. Bosch

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SUMMARY

Oriol is a methodologist with seven years of experience researching how to better collect and analyse attitudinal and behavioural data for the social sciences. He specialises in survey methodology, and on the use of digital trace data. Oriol has a strong statistical background that ranges from generalized linear modelling to data science and computational methods.

RELEVANT PROFESSIONAL EXPERIENCE

PhD Researcher, The London School of Economics and Political Science   *2019-2023*
- Co-designed and oversaw a 140,000€ longitudinal study combining surveys and digital trace data in Spain, Portugal, Italy, Argentina, and Chile to understand affective polarization and their media diets.
- Designed, implemented, and analysed a 30,000€ study combining survey and digital trace data in Spain.
- Developed new methodologies to detect, assess, and prevent errors when collecting digital trace data.
- Wrote and published 7 scientific papers and gave 17 talks in international conferences across the globe.
- Taught statistics and survey methods masters-level courses to more than 100 students.

Research Assistant, The Alan Turing Institute   *2022-2023*
- Co-designed a nationally representative survey in Great Britain exploring the public's opinion about AI.
- Analysed the survey, with the aim of extracting policy relevant information.
- Presented the results to stakeholders and co-authored the final report.

Research Assistant, University of Southampton   *2020-2021*
- Conducted a systematic literature review and wrote two reports about 1) best strategies to maximise participation rates in online surveys and 2) the utility of probability-based online panels.

Research Officer, Institute for Social and Economic Research - University of Essex   *2018-2019*
- Assessed the design effects of European Social Survey's sampling approach in more than 30 countries.
- Computed the ESS's design weights and created the sample design data files for rounds 7 to 9.

Research Assistant, German Internet Panel - University of Mannheim   *2019*
- Designed, implemented, and analysed a survey experiment testing the impact of asking participants to answer open-ended questions with images, instead of with text, on several data quality indicators.

Researcher, Research and Expertise Centre for Survey Methodology - Universitat Pompeu Fabra   *2017-2018*
- Estimated and reported the measurement quality of the 8th round of the European Social Survey
- Designed, collected, analysed, and disseminated research projects in partnership with the online fieldwork company Netquest.
- Tested the feasibility of asking respondents to answer survey questions with images, voice memos and emojis in the context of mobile web surveys.
- Authored a report about the efficacy of using encouragement messages to improve data quality in the context of the cross-national online survey panel (CRONOS).
- Disseminated research results through academic and non-academic publications, as well as professional and academic conferences (e.g., ESOMAR, ESRA).

Junior Researcher, Research and Expertise Centre for Survey Methodology – Universitat Pompeu Fabra   *2016-2017*
- Estimated the measurement quality of slider scales versus traditional radio button ones in the context of the Norwegian Citizen Panel.
- Studied how Millennials differ from older generations in terms of survey participation using information from 1,570,301 panellists of an opt-in online panel in eight countries (Europe, Latin America, and North America).

CONSULTANCY PROJECTS

Wellcome Trust   *2021*
- Analysed a two-wave cross-national survey in 113 countries about mental health and the impact of COVID on opinions about science.

Social Care Institute for Excellence (SCIE)   *2021*
- Collaborated with healthcare practitioners to draft and launch a longitudinal survey of health and care workers for Social Care Wales, aimed at assessing the efficacy of an innovative training programme.

MoneyHelper (formerly Money Advice Service)   *2019*
- Evaluated and analysed a pilot longitudinal survey of people in debt in the UK (2,025 participants).
- Authored a report about the methodological lessons learned, aimed at identifying the best procedures to use on the new survey and providing estimates of the sample size that would be needed.

EDUCATION

PhD Social Research Methods, London School of Economics and Political Science   *2019-2023*
- *Thesis***:** When survey science met web tracking: a theoretical and practical framework for understanding web tracking data.

MSc Survey Methods for Social Research, University of Essex – with Distinction (86)   *2018-2019*
- *Thesis:* Answering web surveys with images: an experiment (David Lockwood Prize - Best dissertation in the Department of Sociology).

BSc Political and Administration Sciences, Universitat Pompeu Fabra (UPF) – 2:1   *2013-2017*
- *Thesis:* The impact of the response format on the left-right self-placement (Best quantitative dissertation in the Department of Political and Social Sciences).

TECHNICAL AND LANGUAGE SKILLS

Languages: English (full professional proficiency), Spanish (native), Catalan (native)
Programming language & statistical software: R, STATA, SPSS, LISREL, MPlus, SQL
Data analysis and statistics: Multivariate analysis, causal inference, multilevel modelling, structural equation modelling, panel data analysis, Monte Carlo simulations, Hidden-Markov Models, Correspondence Analysis
Survey and research design: Questionnaire design (Qualtrics and others), probability and nonprobability sampling, weighting, survey experiments, web and mobile surveys, cross-national and longitudinal surveys, pilot testing, focus groups and cognitive interviews, data linkage, paradata, web tracking.

RESEARCH OUTPUT

12 peer-reviewed publications in international journals, accumulating **more than 170 citations**. For example:
- **Bosch, O. J.**, and M. Revilla (2022). "When survey science met web tracking: Presenting an error framework for metered data". Journal of the Royal Statistical Society Series A: Statistics in Society, 185
- **Bosch, O.J.,** Revilla, M. and E. Paura (2019). "Answering mobile surveys with images: an exploration using a computer vision API." Social Science Computer Review 37(5), 669-683.
- **Bosch, O.J.**, Revilla, M., DeCastellarnau, A. and W. Weber (2018). "Measurement reliability, validity and quality of slider versus radio button scales in an online probability-based panel in Norway." Social Science Computer Review 37(1), 119–132.

10 reports and proceedings for international projects like the ESS or industry associations like ESOMAR. For example:
- **Ada Lovelace Institute and The Alan Turing Institute** (2023). "How do people feel about AI? A nationally representative survey of public attitudes to artificial intelligence in Britain"
- **Bosch, O.J.**, and P. Lynn (2021). "Methodological lessons from the pilot longitudinal survey on debt advice." ISER Working Paper Series 2021-03.

25 conference presentations and invited talks in international conferences (ESRA, APPOR) and seminar series (UK, Spain, Germany, Sweden).