

Oriol J. Bosch

Contact Information

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Department of Methodology,
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[Google Scholar Profile](#) 

Research Interests

Data quality, survey methodology, online surveys, passive measurements, web tracking, data donations, media consumption, polarization, digital inequalities, digital wellbeing, computational methods, political methodology, AI fairness

Education

PhD in Social Research Methods 2019/2023
London School of Economics and Political Science
London, U.K.

Master of Science in Survey Methods for Social Research 2018/2019
University of Essex,
Colchester, U.K.
Thesis: “[Answering web surveys with images: an experiment](#)”
David Lockwood Prize-Best dissertation in the Department of Sociology

Bachelor's Degree in Political and Administration Science 2013/2017
Universitat Pompeu Fabra (UPF),
Barcelona, Spain.
Thesis: “[The impact of the response format on the left-right self-placement.](#)”
With honors (first class with distinction)

Research Experience

Research Assistant May 2022 - Present
The Alan Turing Institute

Non-Resident RECSM Research Fellow Oct. 2018- Present
Universitat Pompeu Fabra (UPF)
Research and Expertise Centre for Survey Methodology (RECSM)

Research Assistant Sept. 2020- Aug. 2021
University of Southampton
School of Economic Social and Political Science

Research Officer Oct. 2018- Sept. 2019
University of Essex
Institute for Social and Economic Research (ISER)

Researcher July.2017- Sept. 2018
Universitat Pompeu Fabra (UPF)
Research and Expertise Centre for Survey Methodology (RECSM)
Advanced Survey Quality Methods.

Junior Researcher Oct.2016- July 2017
Universitat Pompeu Fabra (UPF)
Research and Expertise Centre for Survey Methodology (RECSM)
Advanced Survey Quality Methods

Research stays **University of Mannheim**
German Internet Panel
Visit to work on combining surveys with visual data

April 2019 /
July 2019

**Articles in
peer-reviewed
journals**

10. 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 Association: Series A*, 1-29

9. Bosch, O.J., Revilla, M., Qureshi, D., and J.K. Hohne (2022). “A new experiment on the use of images to answer web survey questions.” *Journal of the Royal Statistical Association: Series A*, 1-26.

8. Bosch, O.J., and M. Revilla (2022). “The challenges of using digital trace data to measure online behaviors: lessons from a study combining surveys and metered data to investigate affective polarization” *SAGE Research Methods Cases*.

7. Bosch, O.J., and M. Revilla (2021). “The quality of survey questions in Spain: a cross-national comparison.” *Revista Española de Investigaciones Sociológicas* 175, 3-26.

6. Bosch, O.J., and M. Revilla (2020). “Using emojis in mobile web surveys for Millennials? A study in Spain and Mexico” *Quality & Quantity*.

5. Revilla, M., Couper, M.P., **Bosch, O.J.,** and A. Asensio (2020). “Testing the use of voice input in a smartphone web survey.” *Social Science Computer Review* 38(2), 2017-224.

4. Bosch, O.J., Revilla, M. and E. Paura (2019). “Do Millennials differ in terms of survey participation?” *International Journal of Market Research* 61(4), 359-365.

3. Revilla, M., **Bosch, O.J.,** and W. Weber (2019). “Unbalanced 3-group Split-Ballot Multitrait-Multimethod design?” *Structural Equation Modeling: A Multidisciplinary Journal* 26(3), 437-447.

2. 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.

1. 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.

**Manuscripts in
progress**

Michaud, A., **Bosch, O.J.,** and N. Sauger. “Can survey scales affect what people report as a fair income? Evidence from the cross-national probability-based online panel CRONOS.” *Accepted for publication*

Torcal, M., Carty, M., **Bosch, O.J.**, Comellas, J., Thomson, Z., and D. Serani. "The Triangle of Polarization, Political Confidence and Political Communication: Understanding its Dynamics in Five Contemporary Democracies." *Under review*

Bosch, O.J. "Track me but not really: Tracking undercoverage in digital trace data research." *Under review*.

Bosch, O.J., and M. Revilla. "Is tracking all that it takes? The reliability and validity of media exposure measures created with digital traces" *Under review*.

Bosch, O.J., Revilla, M., Sturgis, P., and J. Kuha. "Using Generalized MultiTrait-MultiMethod models to simultaneously estimate the measurement quality of survey and digital trace data."

Bosch, O.J., Asensio, M., and C. Roberts. "What is the best way of collecting data donations? An experiment assessing the feasibility of three data donation approaches to measure smartphone usage."

Bosch, O.J., Asensio, M., and C. Roberts. "Data donations, are they worth the effort? The accuracy and validity of smartphone usage measures computed with self-reports and data donations"

Bosch, O.J. "Are people really that bad at reporting their time online? Exploring how web tracking errors overestimate self-report errors"

Bosch, O.J., and O. Maslovskaya. "The utility of probability-based online surveys: a literature review."

Bosch, O.J., and L. Calderwood. "Strategies to improve response rates in probability-based online surveys: a systematic literature review."

Rose, E., Birch, J., Crump, A., **Bosch, O.J.**, and G. Shreedhar. "Animal welfare science: views from the field"

Non-peer-reviewed publications

Bosch, O.J. and P. Lynn (2021). "Methodological lessons from the pilot longitudinal survey on debt advice." *ISER Working Paper Series 2021-03*.

Bosch, O.J., DeCastellarnau, A., and M. Revilla (2018). "The results of the ESS Round 8 three-group SB-TS-MTMM experiment." *ESS ERIC deliverable number 5.10*

Bosch, O.J., Weber, W., and M. Revilla (2018). "Improving web panel respondent behaviour: The effect of encouragement messages throughout the course of the survey." *Deliverable 7.12 of the SERISS project funded under the European Union's Horizon 2020 research and innovation programme GA No: 654221*.

Bosch, O.J., and M. Revilla (2018). "The use of emojis by Millennials". *RECSM Working Paper 57*.

Bosch, O.J., and E. Paura (2018). "Worth a thousand words: Analyzing the impact of image recognition in surveys" *Proceedings of the ESOMAR Latin American Congress*, April 2018.

Bosch, O.J., and E. Paura (2018). "Exploring the use of AI to enhance survey experience" *Proceedings of the ESOMAR Asia Pacific Congress*, May 2018

Research projects

WEB DATA OPP Principal Investigator: Dr. Melanie Revilla	2019-Present
The triangle of polarization, political trust and political communication (TRI-POL) Principal Investigator: Professor Dr. Mariano Torcal	2020-Present
GenPopWeb2 Principal Investigator: Dr. Olga Maslovskaya, Lisa Calderwood Laura Wilson and Gerry Nicolaas	2020-2022
European Social Survey (ESS)-ERIC Principal Investigator: Professor Dr. Peter Lynn	2017-2019
Netquest Research Lab Principal Investigator: Dr. Melanie Revilla	2017-2018
CROSS-National Online Survey Panel- SERISS Principal Investigator: Dr. Wiebke Weber	2017-2018

Conference Presentations (17)

Bosch, O.J., and M. Revilla (2021). "Is tracking all that it takes? Exploring the validity of news media exposure measurements created with metered data." in the 77th AAPOR Annual Conference, Chicago / 3rd Mobile Apps and Sensors in Surveys (MASS) Workshop, Utrecht.

Bosch, O.J. (2021). "Track Me but Not Really: Tracking Undercoverage in Metered Data Collection" in the 77th AAPOR Annual Conference, Chicago / 2022 Joint Statistical Meetings (JSM), Washington DC.

Bosch, O.J., and M. Revilla (2021). "When Survey Science Met Online Tracking: An Error Framework for Metered Data." in the RC33 Online Conference 2021, Online / 9th Conference of the European Survey Research Association (ESRA), Online / 76th American Association for Public Opinion Research (AAPOR) conference, Online.

Bosch, O.J. (2021). "Track me but not really: device undercoverage and its consequences when tracking online behaviour." in the 9th Conference of the European Survey Research Association (ESRA), Online / 2nd Mobile Apps and Sensors in Surveys (MASS) Workshop, Online.

Bosch, O.J., Revilla, M., Qureshi, D., and J.K. Hohne (2020). "A new experiment on the use of images to answer web survey questions" in the 22nd General Online Research Conference (GOR). Berlin, Germany (Online)

Bosch, O.J., Revilla, M., and E. Paura (2019). "Answering mobile surveys with images: an exploration using a computer vision API" in the *8th Conference of the European Survey Research Association (ESRA)*. Zagreb, Croatia.

Bosch, O.J., Weber, W., and M. Revilla (2019). "Improving web panel respondent behaviour: The effect of encouragement messages throughout the course of the survey." in the *8th Conference of the European Survey Research Association (ESRA)*. Zagreb, Croatia.

Bosch, O.J., DeCastellarnau, A., and M. Revilla (2018). "The quality of survey questions in Spain: a cross-national comparison" In the *1st Spanish European Social Survey Congress*. Madrid, Spain

Bosch, O.J., and W. Weber (2018). "The impact of the response format on the left-right self-placement " in the *5th Workshop on Political Behavior and Public Opinion (JCPOP)*. Barcelona, Spain

Bosch, O.J., and E. Paura (2018). "Worth a thousand words: Analyzing the impact of image recognition in surveys" in the *20th General Online Research Conference (GOR)*. Cologne, Germany

Bosch, O.J (2017). "Giving voice to respondents: using voice input options while answering web surveys" in the *70th Conference of the European Society for Opinion and Marketing Research (ESOMAR)*. Amsterdam, Netherlands

Bosch, O.J., and M. Revilla (2017). "Millennials and emojis in Spain and Mexico: using emojis in surveys targeting millennials" in the *7th Conference of the European Survey Research Association (ESRA)*. Lisbon, Portugal.

Invited talks

Business talk given at Attest - How can consumer research platforms enhance or extend (mobile) web survey data?

Seminar series in Statistic at Örebro University School of Business (Sweden) - New opportunities to enhance or extend (mobile) web survey data.

ISER's Method Research Group seminar series - The challenges of using metered data to study online behaviours.

UAB Working Doctoral Group - New opportunities to enhance or extend (mobile) web survey data.

RECSM seminar series 2020 - A new experiment on the use of images to answer web survey questions.

Collaborative Research Center SFB 884 "Political Economy of Reforms" seminar series 2019 - Answering mobile surveys with images: an exploration using a computer vision API.

Posters

Bosch, O.J., and M. Revilla (2018). "Using emojis in surveys targeting millennials" in the *20th General Online Research Conference (GOR)*. Cologne, Germany.

Teaching

Summer Schools

- Summer 2022: *Survey research in the digital age: Online Nonprobability Surveys and Post-Stratification* (Summer Institutes in Computational Social Science, Oxford)

Graduate Teaching Assistant (GTA)

- Second term 2021/22: *Survey Methods* (LSE, London)
[Awarded best class teacher at the department of methodology](#)
- First term 2021/22: *Intermediate Quantitative Analysis* (LSE, London)

Teaching Assistant

- Second semester 2017/18, 2018/19: *Questionnaire Design* (IBEI, Barcelona)

Dissertation Adviser

- Summer 2022: *MSc Dissertation Quant Adviser* (LSE, London)
- Summer 2021: *MSc Dissertation Quant Adviser* (LSE, London)

Consultancy

Social Care Institute for Excellence

Development and analysis of a longitudinal survey of health and care workers for Social Care Wales.

Jul. 2021 –
Jan. 2022

Wellcome Trust

Analysis of a two-wave cross-national survey (Wellcome Monitor, 113 countries) about mental health and the impact of COVID on opinions about science

Jul. – Aug.
2021

Money Advice Service

Development of the design of a longitudinal survey of people in debt

Febr. 2019–
April 2019

Academic service

Referee (27): Social Science Computer Review, Public Opinion Quarterly, Field Methods, Quality and Quantity, International Journal of Social Research Methodology, Survey Research Methods, Sociological Methods and Research, Electoral Studies, European Political Science Review, Journal of Media Psychology, Behaviour & Information Technology, AMC-CHI22, Journal of Survey Statistics and Methodology, New Media and Society, Advances in Methods and Practices in Psychological Science.

See my [Publons profile](#).

Conferences: Reviewer (BigSurv 2020; GOR 2021, 2022)

Discussant: Doctoral Workshop Political & Social Sciences, UPF (2020)

Organizer: [Quantitative Methods Reading Group](#), LSE (2021/2022)

Representative: PhD Representative of the Department of Methodology, LSE

Member: American Association of Public Opinion Research, American Statistical Association, RC33, European Survey Research Association

Complementary formation

PhD training

[Data for Data Scientists](#) | Prof: K. Benoit

[Causal Inference for Observational and Experimental Studies](#) | Prof: D. Hendry

RECSM Summer School 18, UPF

[Social Networks](#) | Prof: L. De Benedictis

[Social Media Research/ Big Data 2](#) | Prof: D. Nyhuis

[Social Media Research/ Big Data 1](#) | Prof: P. Barberá

Machine Learning for Social Sciences | Prof: R. Wüest
Causal Inference: Survey Experiments | Prof: T.Leeper

RECSM Summer School 17, UPF

Implementing High-Quality Web Surveys | Prof: K. L. Manfreda
Probability Sampling Methods | Prof: T.Baghal
Stata for Social Sciences | Prof: J.Gumà and D.Boertien

DataCamp

Intermediate Python for Data Science
Intro to Python for Data Science

Distinctions and funding	LSEU Teacher Awards - Best Class Teacher of 2022 <i>Department of Methodology, LSE, London, UK</i>	May. 2022
	Postgraduate Travel Fund <i>LSE, London, UK</i>	2020/21/22
	David Lockwood Prize: Best master's dissertation <i>Department of Sociology, University of Essex, Colchester, UK</i>	Sep. 2019
	LSE Studentship <i>LSE, London, UK</i>	2019-2023
	Travel Grant <i>8th Conference of the European Survey Research Association (ESRA), Zagreb, Croatia</i>	July 2019
	Student accommodation grant <i>1st Spanish European Social Survey Congress, Madrid, Spain</i>	Sep. 2018
	Best Debating Team <i>Xarxa Vives's national debating competition, Valencia, Spain</i>	May 2016
	Best Op-Ed Article <i>EU Commission's articles competition, Barcelona, Spain</i>	Feb. 2016
	Best Speaker <i>UPF's debating competition, Barcelona, Spain</i>	Feb. 2016
Languages	Spanish (native), Catalan (native), English (Full professional proficiency), French (reading)	
Computer Skills	<i>Advanced:</i> R, STATA, LISREL, JRule, Microsoft Office <i>Medium:</i> SPSS, MPlus, AMOS, LaTeX <i>Basic:</i> Python	
References	Dr. Melanie Revilla Department of Political and Social Sciences Universitat Pompeu Fabra	

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Prof. Patrick Sturgis

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The London School of Economics and Political Science

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Last updated: December 2022