

Jorge Cimentada

Contact information

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[Google Scholar](#)
Madrid, Spain
Date of birth: 1st of March, 1991

cimentadaj.github.io
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Research Interests

Social Mobility, Spatial Mobility, Educational Policy, R programming,
Statistical computing, Statistics

Education

Ph.D., in Quantitative Sociology
Pompeu Fabra University, Barcelona, Spain
Fields: Stratification, Educational stratification
Advisors: Gøsta Esping Andersen, Bruno Arpino

2015-

Awarded **best PhD paper Prize (2017)** for the paper "Does curricular tracking explain SES gaps? An international comparison of the SES achievement gaps from 2000 to 2015"

M.S., in Research in Sociology and Demography
Pompeu Fabra University, Barcelona Spain

2014/2015

Dissertation: Improving cognitive and non-cognitive abilities: Impact evaluation of the AGE program in Mexico
Advisors: Gøsta Esping Andersen, Bruno Arpino
* Awarded best Master Thesis: featured [here](#) under 'Excellent thesis'.

B.A., Business
Pontificia Universidad Catolica Madre y Maestra,
Santo Domingo, Dominican Republic.

2009/2013

Research Experience

Data Scientist
Kernel Analytics

2018 -

Researcher & programmer
Research and Expertise Centre for Survey Methodology
Projects: European Social Survey (ESS)-ERIC.
Principal Investigator: Wiebke Weber

2017 -

Research assistant
Pompeu Fabra University
Projects: Stratified Family Dynamics: Polarizing trends in couple behaviour and parenting

2015 - 2017

Principal Investigator: Gøsta Esping-Andersen

Statistical consulting

2014

Population Services International

Project: Measuring the impact of preventive HIV campaigns in the Military forces of the Dominican Republic

Quantitative analyst

2013

Newlink Research

Projects: Public opinion polls, Electoral turnouts, Market analysis

Principal investigator: Eduardo Gamarra

Teaching/Talks *Department of Political and Social Sciences, Pompeu Fabra University*
Teaching Assistant, Statistics 101 for Political Science, May-Jul, 2015

Research and Expertise Centre for Survey Methodology

- Introduction to R programming and its strengths, April 2016 [[Presentation](#)]
- Getting familiar with R objects, April 2016 [[Course](#)]
- Introduction to the tidyverse and functional programming, March 2017 [[Course](#)]
- Introduction to R - Barcelona Summer School in Survey Methodology, 2017, 2018, 2019 [[Course](#)]

Invited talks

- Introduction to the tidyverse - PyData Conference, Barcelona, May 2017 [[Course](#)]
- The [essurvey](#) package - University of Southampton, January 2018
- Downloading European data with [essurvey](#), University Carlos III of Madrid, September 2018
- Downloading Spanish public data with [opendataes](#), Madrid R meetup, November 2018
- Interacting with the [datos.gob.es](#) API using [opendataes](#), The National Spanish R Conference, November 2018 (**awarded best talk**)
- 'Does curricular tracking explain cross-national variation in achievement gaps?', Universitat Barcelona, 9th February 2018.

Academic skills **Past training:**

- Text Mining & Natural language Processing, University of Murcia, November 22-23, 2018
- Introduction to Bayesian Inference and Stan, Newcastle University - December 7-8, 2017
- Max Planck Institute for Demographic Research Visualization Retreat (awarded full stipend) - June 26-28, 2017
- EERA Summer School: Methods and Methodology in Educational Research, Linz University, July 10-15, 2016
- Probability Sampling Methods, Pompeu Fabra University, June 27 - July 1, 2016
- Analysing Comparative Longitudinal Survey Data with Multilevel Modelling, Pompeu Fabra University, July 6-7, 2016
- Methodological seminar on Causal Inference, Pompeu Fabra University, May 18-20, 2015
- Protecting Human Research Participants, National Institute of Health (NIH) of the United States, May, 2013.

Extra-curricular	<ul style="list-style-type: none"> - Co-organizer of the RECSM RonR! meeting group and seminars - Adaptation of the Randomization guide from the Abdul Latif Jameel Poverty Action Lab (J-PAL) to R. [Link] - Graduate representative for PhD program, 2017-2018
Languages	Spanish(native), English (fluent)
Computational Skills	R, Python, Impala, Hadoop, SQL, Git, Bash, Airflow, Regular Expressions, L ^A T _E X, Web Scraping, API interactions, ssh, Emacs, Microsoft Excel, PowerBI, Shiny applications
Software	<p>Github ranking: R (http://git-awards.com/users/cimentadaj) 3 out of 126 in Madrid 13 out of 482 in Spain</p> <p>R packages:</p> <p>opendataes: Interact with the datos.gob.es API [Github], Package website sqpr: Access the SQP API and adjust your estimations for measurement error [Github]. essurvey: Download data from the European Social Survey [CRAN], Package website perccalc: Estimate continuous distributions from categorical variables [CRAN], Github coauthornetwork: Explore your network of coauthors from your Google Scholar profile [Github] cimentadaj: Personal package [Github]</p> <p>Contributor to other R packages</p> <p>corr: Exploring correlations in a ‘tidy’ format. [Github] broom: Convert statistical analysis objects into tidy format [Github] scholar: Extract citation data from Google Scholar. [Github]</p> <p>Scientific web applications:</p> <ul style="list-style-type: none"> - Exploring the Demographic History of Populations with Enhanced Lexis Surfaces - Educational inequality around the world - Commissioned by the Research and Expertise Centre for Survey Methodology: <ul style="list-style-type: none"> * Download Spanish translated data from the European Social Survey
Professional Memberships	Comparative and International Education Society Foundation for Open Access Statistics

Published Papers Esping-Andersen, G. & Cimentada, J. (2018). Ability and mobility: The relative influence of skills and social origin on social mobility. Social Science Research, Volume 75, Pages 13-31. [\[Replication files\]](#) [\[Open access\]](#)

Submitted Papers Cimentada, J. & Klüsener, S. (2019), Exploring the Demographic History of Populations with Enhanced Lexis Surfaces, submitted to Demographic Research. [\[Replication files\]](#)

Working Papers Cimentada, J. (2017), Does curricular tracking explain global SES gaps? an international comparison of the SES achievement gaps from 2000 to 2015. SocArXiv, 21 Sept. 2017. Web [\[Replication files\]](#) [\[Open access\]](#)

Cimentada, J. & Weber, W. (2018), The sqpr package: a gateway for correcting for statistical measurement error.

References Gøsta Esping-Andersen
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Wiebke Weber
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