

Jorge Cimentada CV (March, 2019)

Contact information	jorge.cimentada@upf.edu Google Scholar Madrid, Spain Date of birth: 1st of March, 1991	cimentada.j.github.io Github: github/cimentada.j Phone: +34 697 382 009
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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 <i>Fields:</i> Stratification, Educational stratification <i>Advisors:</i> Gøsta Esping Andersen, Bruno Arpino	2015-
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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 2014/2015
Pompeu Fabra University, Barcelona Spain
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	2009/2013
Pontifica Universidad Catolica Madre y Maestria, Santo Domingo, Dominican Republic.	

Current Positions	<i>Data Scientist</i>	2018 -
	Kernel Analytics	
	Madrid, Spain	
	<i>External technical collaborator</i>	
	Red.es, Spanish Ministry of Economy	2019 -
	Madrid, Spain	
	<i>Research affiliate & programmer</i>	2018 -
	Research and Expertise Centre for Survey Methodology	
	Barcelona, Spain	

Research
Experience

Researcher & programmer 2017 - 2018
Research and Expertise Centre for Survey Methodology
Barcelona, Spain
Projects: European Social Survey (ESS)-ERIC.
Principal Investigator: Wiebke Weber

Research assistant 2015 - 2017
Pompeu Fabra University
Barcelona, Spain
Projects: Stratified Family Dynamics: Polarizing trends in couple behaviour and parenting
Principal Investigator: Gøsta Esping-Andersen

Statistical consulting 2014
Population Services International
Santo Domingo, Dominican Republic
Project: Measuring the impact of preventive HIV campaigns in the Military forces of the Dominican Republic

Quantitative analyst 2013
Newlink Research
Santo Domingo, Dominican Republic
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

- 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 PhD program, 2017-2018

Languages

Spanish(native), English (fluent)

Computational Skills

R, Python, Impala, Hadoop, Oracle, SQL, Git, Bash, Airflow, Regular Expressions, \LaTeX , Web Scraping, API interactions, ssh, Emacs, Microsoft Excel, PowerBI, Shiny applications

Software

Github ranking: R (<http://git-awards.com/users/cimentadaj>)
3 out of 126 in Madrid
13 out of 482 in Spain

R packages:

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](#)]

Contributor to other R packages

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](#)]

Scientific web applications:

- [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:
 - * [Download Spanish translated data from the European Social Survey](#)
 - * [A web app for correction for measurement and sampling error](#) (joint project with [GESIS](#))

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](#)] [[Open access](#)]

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

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