

Guillem Amatller

RESEARCH ASSISTANT AT IBEI | PHD CANDIDATE AT UPF

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Experience

- IBEI** Barcelona
RESEARCH ASSISTANT September 2019 - Currently
- Statistical analysis, comparative politics, literature review, displaying of graphical outputs
- Yale University** Barcelona,
RESEARCH CONSULTANT IN GEOSPATIAL ANALYSIS March. 2020 - May. 2020
- Data interpolation and geospatial analysis
- University of Konstanz** Konstanz, Germany
RESEARCH INTERN (PART TIME) March. 2019 - June. 2019
- Literature review and comparative politics

Education

- Pompeu Fabra University - Currently enrolled** Barcelona
PHD IN POLITICS AND PUBLIC ADMINISTRATION September 2019 - Currently enrolled
- Relationship between technological shocks and state capacity** *Quantitative methods*
- University of Konstanz** Konstanz
MASTER IN POLITICS AND PUBLIC ADMINISTRATION October 2018 - July 2019
- Specialization in methods** *Focus on Causal Inference and Statistical analysis*
 - Final grade**, 1.8 German Grading System (8,67 in the Spanish Grading System)
- Universitat Pompeu Fabra** Barcelona
MASTER OF RESEARCH IN POLITICAL SCIENCE October 2017 - July 2018
- Final grade**, 8.46 Spanish grading System
- Universitat Autònoma de Barcelona** Barcelona
BACHELOR IN JOURNALISM September 2012 - July 2016
- Erasmus** *Ghent University (Belgium)*

Courses

- Causal inference and policy evaluation** ESSEX summer school
CONTENTS July 2020
- Quantitative policy evaluation using advanced identification strategies
 - Natural experiments, Instrumental variables, Diff-in-Diff
- Machine learning** RECSM Winter School (UPF)
CONTENTS Winter 2020
- Introduction to supervised and unsupervised machine learning
 - Sentiment analysis
- Multilevel analysis 1** RECSM Summer school 2020
CONTENTS July 2020
- Introduction to multilevel analysis: focus on cross-sectional approach
 - Cross-Sectional
- Longitudinal analysis** RECSM Summer school 2020
CONTENTS July 2020
- Fixed Effects and Random Effects
 - Simulations in R

- Course in R, descriptive Statistics and Data visualization
- Data manipulation

Skills

Geospatial Data

- Manipulation of geospatial data (download, extract, plot, load, etc. all kind of geospatial data (mostly shapefiles, raster data -tiff, and so on)
- visualization: visualization of all kinds of maps (SP, SF and Raster objects - the most common types)
- Geospatial analysis: computation of centroids, computation of distances, tests of geospatial independence, poisson models (useful when dependent variable is count data, and need to control for population both on the right and left hand side of equation), etc.

R

- Data manipulation (Arrange, filter, summarize, etc)
- Data visualization using ggplot and GIS
- Statistics and modeling strategies

Statistical analysis

Cross-Sectional models (linear simple and multiple regression), cross-sectional non-linear models (logit and poisson), longitudinal models (fixed effects (within) estimation)