

- CONTACT** Westat Email: [griverorz@gmail.com](mailto:griverorz@gmail.com)  
 Statistics and Survey Methods Unit Website: [griverorz.net](http://griverorz.net)  
 1650 Research Boulevard GitHub: [griverorz](https://github.com/griverorz)  
 Rockville, MD 20850
- EDUCATION** Ph.D. in Political Science, *New York University* 2013  
*Committee:* Adam Przeworski (chair), David Stasavage, Leonard Wantchekon  
 M.A. in Political Science, *New York University* 2009  
 M.A. in Social Sciences, *Juan March Institute*, Madrid 2006  
 M.A. in History (Prehistory & Archaeology), *University of Vigo*, Ourense 2004  
 B.A. in History, *University of Vigo*, Ourense 2002
- EMPLOYMENT** **Data Science Lead.** Statistics and Survey Methodology Unit. *Westat.* 2015–present  
 I was tasked with building a team within the Statistics that could offer a new line of services and capabilities including predictive modeling, integration of organic data, and natural language processing.  
**Statistical Scientist.** Scientific Research Group. *YouGov.* 2013–2015  
 I provided insights to clients on forecasting, predictive analytics, measurement of brand reputation and awareness, and campaign evaluation, and developed methodological and workflow improvements to the matching and weighting methods.
- BOOKS** 1. Gayo-Avello, D.; Jungherr, A. and **Rivero, G.** (exp. 2018) *Contingent Disruption: Digital Media and Politics*. Cambridge University Press (Under contract).  
 2. **Rivero, G.** (2011) *Análisis de datos incompletos en Ciencias Sociales*. CIS, Madrid.
- PEER-REVIEWED ARTICLES** 1. Tourangeau, R.; Maitland, A.; **Rivero, G.**; Sun, H.; Williams, D. and Yan, T. (exp. 2018): “Web Surveys by Smartphones and Tablets: Effects on Data Quality.” *Social Science Computer Review*. OnlineFirst.  
 2. Tourangeau, R.; Maitland, A.; **Rivero, G.**; Sun, H.; Williams, D. and Yan, T. (exp. 2018): “Web Surveys by Smartphones and Tablets: Effects on Survey Responses.” *Public Opinion Quarterly*.  
 3. **Rivero, G.** (2017): “Preaching to the Choir. Ideology and Following Behavior in Social Media.” *Contemporary Social Science*. OnlineFirst.  
 4. Fernández-Vázquez, P.; Barberá, P. and **Rivero, G.** (2015): “Rooting Out Corruption or Rooting For Corruption? The Heterogeneous Electoral Consequences of Scandals.” *Political Science Research and Methods*, 4 (2): 379-397  
 5. **Rivero, G.** (2015): “Heterogeneous Preferences in Multidimensional Voting Models: Ideology and Nationalism in Spain.” *Electoral Studies*, 40: 136-145.  
 6. Przeworski, A.; **Rivero, G.** and Xi, T. (2015): “Elections as a Conflict Processing Mechanism.” *European Journal of Political Economy*, 39: 235-248.  
 7. Barberá, P. and **Rivero, G.** (2015): “Understanding the Political Representativeness of Twitter Users,” *Social Science Computer Review*, 33 (6): 712-729.
- CHAPTERS IN BOOKS** 1. Barberá, P. and **Rivero, G.** (2012): ¿Un tweet, un voto? Desigualdad en el debate político en Twitter. In Cotarelo, R. and Crespo, I. (ed.): *La comunicación política y las nuevas tecnologías*. Ed. Libros de la Catarata: 200–220.
- POLICY PAPERS** 1. **Rivero, G.** and Fernández-Vázquez, P. (2011): Las consecuencias electorales de los escándalos de corrupción municipal, 2003–2007. *Estudios de Progreso*, 59  
 2. Lapuente, V.; Fernández-Vázquez, P. and **Rivero, G.** (2011): Carencias en el control vertical y horizontal de la corrupción. In Estefanía, J. (Ed.): *Informe sobre la Democracia en España, 2011*. Fundación Alternativas: 199–222

UNDER REVIEW	<p>1. Escribà-Folch, A. and <b>Rivero, G.</b> (2017): “The Organization of Security under Dictatorship: Paramilitaries, Repression and Coup-Proofing.”</p>	
WORK IN PROGRESS	<p>1. Suhay, E.; Klasnja, M. and <b>Rivero, G.</b> (2017): “American Aristocracy: How the Wealthy Explain Inequality, and Why It Matters.”</p> <p>2. Klasnja, M.; <b>Rivero, G.</b>; Smeets, P. and Suhay, E. (2017): “The Politics of Millionaires: The Political Preferences of the Wealthy in the U.S. and the Netherlands.”</p> <p>3. Gallego, J.; <b>Rivero, G.</b> and Martínez-Gordillo, J.D. (2017): “An Early Detection Model for Corruption in Public Procurement.”</p> <p>4. <b>Rivero, G.</b> and Sun, H. (2017): “One Size Does not Fit All. Measuring Interviewer Quality in Face-to-Face Surveys.”</p>	
ADDITIONAL TRAINING	<p><i>Short courses</i></p> <p>R and Spark: Tools for Data Science Workflows. <i>National Institute of Statistical Sciences</i> Sep. 2017</p> <p>Statistical Learning and Data Mining. <i>Trevor Hastie/Rob Tibshirani</i> Oct. 2016</p> <p><i>Long courses</i></p> <p>Quantitative Methods for Social Research. <i>ICPSR, University of Michigan</i> June–Aug. 2005</p> <p><i>Courses:</i> Bayesian Statistics, Advanced MLE, Game Theory II, Regression Analysis III</p> <p>PGCert in Advanced Methods of Applied Statistics, <i>UNED</i> 2005</p> <p><i>Areas:</i> Robust Statistics, Resampling Methods, Multivariate Statistics</p> <p>Coursework of the Ph.D. in Economic Theory, <i>U. Santiago de Compostela</i> 2004</p> <p><i>Courses:</i> Microeconomics, Macroeconomics, Social Choice, Game Theory, Cooperative Games</p> <p>PGCert in Celtic Studies, <i>Universidad Internacional Menéndez Pelayo</i> 2003</p> <p>PGCert in Management of Cultural Heritage, <i>Laboratory of Archaeology–CSIC</i> 2003</p>	
RESEARCH AFFILIATIONS	<p>Research affiliate (<i>Doctor miembro</i>). <i>Juan March Institute</i>, Madrid 2013–present</p> <p>Visiting Scholar. Institute for Economic Analysis, <i>CSIC</i>, Barcelona 2010–2011</p>	
GRANTS	<p><i>Dictatorial Repression and Judicial Systems. The Determinants of Authoritarian Stability and Transitional Justice</i>, €30,000. Spanish Ministry of Science. Paloma Aguilar (PI, UNED) 2012–2015</p> <p><i>Technologies of Rebellion and Violence during Civil War</i>, €12,000. Institut Català Internacional per la Pau. With Laia Balcells (PI, Duke) 2011</p> <p><i>Disentangling the Origins and Consequences of Authoritarian Institutions</i>, €3,612. Juan March Institute. With Abel Escriba 2010</p>	
FELLOWSHIPS & AWARDS	<p>McCracken Fellowship, <i>GSAS, New York University</i> 2007–2012</p> <p>Juan March Fellowship, <i>Juan March Institute</i> 2003–2007</p> <p>Research assistant fellowship, <i>U. de Santiago de Compostela</i> June–Sept. 2003</p> <p>Xunta de Galicia Graduate Fellowship, <i>Xunta de Galicia</i> 2002–2003</p> <p>Prize to the best academic record, <i>Universidade de Vigo</i> 2002</p> <p>Research assistant fellowship, <i>Spanish Ministry of Education</i> 2001–2002</p>	
TEACHING EXPERIENCE	<p><i>Workshops &amp; Summer Schools</i></p> <p>“Big Data for Public and Private Sectors” (40 hours). <i>U. del Rosario, Bogotá</i> June 2017</p> <p>“Advanced R” (6 hours). <i>Westat</i> June 2016</p> <p>“Introduction to Statistical Programming in R” (6 hours). <i>Westat</i> Feb. 2016</p> <p>“Incomplete Data Analysis in Surveys” (8 hours). <i>U. Autònoma de Barcelona</i> Nov. 2010</p> <p><i>Teaching Assistant</i></p> <p>Power &amp; Politics in America. Prof. Patrick Egan. <i>NYU</i> Fall 2012</p> <p>Power &amp; Politics in America. Prof. Sanford Gordon. <i>NYU</i> Spring 2012</p> <p>International Politics. Prof. Shanker Satyanath. <i>NYU</i> Fall 2011</p>	

Quantitative Methods for Political Science. Prof. Matthew Stevens. *NYU* Fall 2008 & Spring 2009

INVITED TALKS University of Durham, Universidad del Rosario (Colombia) 2017  
Trinity College of Dublin 2016  
TIGER (Toulouse School of Economics) 2014  
Instituto Tecnológico Autónomo de México, Spanish National Research Council 2012  
Universitat Autònoma de Barcelona 2011

ORGANIZED CONFERENCES The Organization of Security and Justice System Institutions in Autocracies. June, 2015  
*Hosting institution:* Juan March Institute - Carlos III, Madrid  
*Committee:* P. Aguilar, A. Escribà-Folch, J.A. Mayoral, J. Ríos Figueroa, and **G. Rivero**

OUTREACH Member of the editorial board of the social science blog “Politikon” 2015–present

*Mentions and interviews in media*

El Mundo. “*El voto oculto de Donald Trump*”. Oct. 27, 2016.  
Univisión. “*Por qué es muy improbable que fallen las encuestas como dice Trump*.” Oct. 25, 2016.  
El País. “*La corrupción sale gratis en España*”. Jul. 2, 2016.  
Expansión. “*El porqué de la corrupción política*”. Jun 30, 2016.  
Xataka. “*¿Predice el big data sobre redes sociales mejor que las encuestas quiénes ganan las elecciones?*”  
Dec. 15, 2015.  
Pacific Standard. “*Why do we elect corrupt politicians*.” Nov. 24, 2014.  
El País. “*Rajoy y Rubalcaba empatan en la valoración de los usuarios de Twitter*”. Sep. 26, 2011.

*Writings in media*

Ahora. “*Cuando PP y PSOE perdieron a los jóvenes*”, with María Ramos. Jul. 8 2016.  
El País. “*El éxito de las encuestas*”, with Kiko Llaneras. Mar. 30, 2015.  
European Politics and Policy Blog, London School of Economics. “*Political discussions on Twitter during elections are dominated by those with extreme views*”, with Pablo Barberá. Dec. 13, 2014.

CONFERENCES (SELECTION) “Adjustments to Student Weights to Account for Student Nonresponse in the National Assessment of Educational Progress.” (*JSM 2017*)  
“Do Wealthy People Explain Inequality Differently, and Does It Matter?” *MPSA (2017), APSA (2017)*  
“One Size Does Not Fit All: Measuring and Evaluating Interviewer Performance in Multiple Dimensions.” *AAPOR (2017)*  
“Responsive Design and Predictive Modeling in Context: Combining Geographical Information and Paradata,” *ITSEW (2016)*  
“Bridging Online and Offline Political Attitudes,” *APSA (2015)*  
“The Organization of Security under Dictatorship: Paramilitaries, Repression and Coup-Proofing,” *EPISA(2014), APSA (2015)*  
“A Computational Model of Military Promotions,” *MPSA(2015)*  
“Military accountability. Social Unrest and Military Coups,” *APSA (2013)*  
“Elections Under a Shadow of Force,” *APSA (2013)*  
“One Tweet, One Vote? Inequality in the Political Debate on Twitter,” *ALICE (2012)*  
“Rooting Out Corruption or Rooting for Corruption? The Electoral Consequences of Corruption Scandals in Spain, 2003–2011,” *EPISA (2012), IPSA (2012), MPSA (2013)*  
“Oligopoly of Violence: Civilian Control of a Heterogeneous Military,” *APSA (2011), EPISA (2011), MPSA (2011)*  
“Military Coups during Military Regimes,” *APSA (2010)*  
“Electoral Consequences of Corruption Scandals in Spain (2003–2007),” *ECPR (2010), MPSA (2010)*

RESEARCH ASSISTANSHIPS Prof. Adam Przeworski (NYU). Collection of constitutional and electoral data for the dataset *Political Institutions and Political Events*. 2008 – 2011

Prof. Covadonga Meseguer (CIDE). Technical review and discussion of the book *Learning, Policy Making, and Market Reforms*. Cambridge University Press. 2007 – 2008

**SERVICE &  
MEMBERSHIP**

*Referee*

Political Behavior, Journal of Conflict Resolution, Spanish National Agency for Evaluation and Prospective, Dados, Spanish Journal of Political Science, Journal of Survey Statistics and Methodology, Cambridge University Press, Armed Forces and Society

*Member of expert panels*

Bureau of Justice Statistics

*Mentorship*

Ruodan Zhang (Indiana University, 2017-2018)

*Professional memberships*

American Political Science Association (Political Methodology Section), American Statistical Association (Statistical Learning and Data Science Section)

**TECHNICAL  
SKILLS**

Languages: Python, Haskell, C++, JavaScript

Experience with `numpy`, `scikit-learn`, `pandas`, `keras`, `NLTK`

Stack includes `Flask`, `Celery`, `RabbitMQ`, `NGINX`, `SQLAlchemy`

Statistics: R, Stata, Jags/Stan

Experience with `tidyverse`, `caret`, `dml`, `Rcpp`, `boot`, `lme4`, `igraph`

Development in S3 and S4

Databases: SQL (PostgreSQL and MySQL), MongoDB, ElasticSearch

DevOps: Amazon AWS, Apache Spark, Docker

Experience with `Ansible`, `Fabric`

**MISCELLANEA**

Tracking of the Spanish 2011 legislative elections using sentiment analysis, with Pablo Barberá 2011  
Website: <http://www.tuitometro.es/> (Inactive since November, 20, 2011)