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# JOSÉ BAYOÁN SANTIAGO CALDERÓN

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🌐 Nosferican

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Citizenship: United States of America

Personal Website: [jbsc.netlify.com](http://jbsc.netlify.com)

## Appointments and Employment

Postdoctoral Research Associate

University of Virginia

2019 – Current

Social & Decision Analytics Division, Biocomplexity Institute & Initiative

Scientific Computing Intern in Predictive Healthcare Analytics

University of Maryland

2018 – 2019

Center for Translational Medicine, School of Pharmacy

Lead Developer

QuantEcon

2018 – 2019

Research Consultant and Data Scientist

Res-Intel, a wholly-owned subsidiary of Policy Consultants, LLC

2016 – 2018

## Education

2019 PhD Economics

Claremont Graduate University

2015 MA Economics

Claremont Graduate University

2014 BA Economics

Southwestern University

## Fields of Research

Computational Economics, Program Evaluation, Data Science

## Skills

Programing Languages: Julia, R, Python, Stata, ArcGIS Pro, NetLogo

Areas of Expertise: Econometrics, Machine Learning, National Language Processing (NLP)

## Refereed Publications

José Bayoán Santiago Calderón. 2019. “Econometrics.jl” [in English]. In *6th JuliaCon Conference*, edited by Valentin Churavy and Mathieu Besançon. Baltimore, MD, USA, September 22. Forthcoming. <https://github.com/Nosferican/Econometrics.jl/blob/master/paper/paper.pdf>

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## Presentations

- Carol Robbins, Gizem Korkmaz, José Bayoán Santiago Calderón, Daniel Chen, Aaron Schroeder, Claire Kelling, Stephanie S. Shipp, and Sallie Keller. 2019. “Open Source Software as Intangible Capital: Measuring the Cost and Impact of Free Digital Tools.” In *Government Advances in Statistical Programming (GASP!) Workshop*. Washington, DC, September 23. <https://scholar.google.com/scholar?oi=bibs&hl=en&cluster=16290588106234930952>
- José Bayoán Santiago Calderón, Keren Chen, Hannah Brinkley, Eirik Iversen, Daniel Chen, and Gizem Korkmaz. 2018. “Measuring the Cost and Value of Open Source Software.” In *Data Science for the Public Good Program Symposium*. Arlington, VA, August 9. <https://bit.ly/jbsc-dspg-2018-nsf-oss>
- José Bayoán Santiago Calderón, Hannah Brinkley, Alexa Nosal, Kelsey McMahon, Megan Grondine, Aaron Schroeder, and Gizem Korkmaz. 2018. “Evaluating the Impact of the Arlington Restaurant Initiative on Alcohol-Related Crimes in Clarendon.” In *Data Science for the Public Good Program Symposium*. Arlington, VA, August 9. <https://bit.ly/jbsc-docs-dspg-2018-acpd-ari>

## Certificates

- 2019 Preparing Future Faculty Certificate in College Teaching
- 2017 Statistics with R, a 5-course specialization by Duke University on Coursera
- 2017 Machine Learning, a 4-course specialization by University of Washington on Coursera
- 2016 Fundamentals of Computing, a 7-course specialization by Rice University on Coursera
- 2015 Data Science, a 9-course specialization by Johns Hopkins University on Coursera

## Teaching (Assistant)

- 2016 Advanced Research Methods (Graduate), Michigan State University
- 2015 Principles of Microeconomics (AP), Johns Hopkins University
- 2014 Intermediate Microeconomics (Undergraduate), Southwestern University
- 2014 Principles of Economics (Undergraduate), Southwestern University

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## References

Gizem Korkmaz

Research Associate Professor

University of Virginia

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Aaron Schroeder

Research Associate Professor

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Sallie Ann Keller

Director & Professor of Public Health Sciences

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Hisam Sabouni

Clinical Assistant Professor

Claremont Graduate University

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