

MANUEL ALCALÁ KOVALSKI



EDUCATION



B.A., Mathematical Economics (minor in Statistics)

University of Pennsylvania, Class of 2019



Philadelphia, PA

- Relevant coursework: Probability, Mathematical Statistics, Stochastic Processes, Computer Programming, Econometrics, Microeconometrics, Microeconomic theory (Graduate), and Macro-modeling.



WORK EXPERIENCE

Current
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2019



Senior Research Assistant

The Brookings Institution
Hutchins Center on Fiscal & Monetary Policy



Washington, D.C.

- Authored the official [R package for Brookings branded ggplots](#).
- Led data science trainings on [R package development](#), [data manipulation in R using the Tidyverse](#), and [version control using Git and GitHub](#) for 65+ staff across the entire organization.
- Developed an R Shiny app which scrapes over 20 economic research websites to centralize information on new working papers. This app is deployed weekly to sort and identify content for the [Hutchins Roundup blog](#) since 2019.
- Created data visualizations used in blog posts, conferences, and internal reports to communicate insights from macroeconomic data in an accessible manner.
- Produced parametrized reports to break down our fiscal policy forecast by quarterly or annual terms, by federal and state level, and by different time periods during monthly updates to the [Fiscal Impact Measure](#).
- Automated code testing, linting, and running using CI/CD pipelines.

2018



Summer Undergraduate Minority Research Scholar

Leonard Davis Institute



University of Pennsylvania

- Analyzed data on 322,264 hospital admissions using logistic regression to understand how physicians respond to cost-sharing programs.
- Cleaned and summarized data from a randomized control trial evaluating the effectiveness of data-driven adaptive learning approaches. Presented results in front of peers and senior researchers.

2018

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2017



Undergraduate Researcher

Health Management and Policy Department



University of Miami

- Co-authored two peer-reviewed papers published in health services research journals. Cleaned, summarized, visualized, and performed regression analyses for both research papers and reported findings to the principal investigator.
- Assisted with manuscript preparations by creating tables and writing literature reviews on projects related to health economics.



ACADEMIC ARTICLES

2021



[The relationships between marijuana use and exercise among young and middle-aged adults](#)

2018



[Self-reported Health Status Differs for Amazon's Mechanical Turk Respondents Compared With Nationally Representative Surveys](#)



BLOG POSTS

2021



[How pandemic-era fiscal policy affects the level of GDP](#)

2020



[How does unemployment insurance work? And how is it changing during the coronavirus pandemic?](#)

2020



[How did post-2008 reforms affect the muni bond market?](#)

2019



[Lessons learned from the Argentine economy under Macri](#)

CONTACT



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github.com/malcalakovalski



(954)-609-8919

OPEN SOURCE



[Package \[ggbrookings\]](#) - Author, maintainer.

PROGRAMMING SKILLS



R using the [tidyverse](#)



Git and GitHub



Markdown



HTML and CSS



Python

LANGUAGES

English: Native

Spanish: Native

Portuguese: Proficient

DATA SCIENCE PROJECTS

My contributions to the [#TidyTuesday](#) project are available on github.com/malcalakovalski/tidy-tuesday

Made with the R packages [pagedown](#) and [datadrivencv](#).

The source code is available on github.com/malcalakovalski/cv.