

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 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 and delivered parametrized reports to evaluate our GDP forecast during monthly [Fiscal Impact Measure](#) updates.
 - Automated code testing, linting, and running using CI/CD pipelines.
 - **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 researchers at the Leonard Davis Institute.
 - **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.
- 2018
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2017



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

- ✉ malcalakovalski@gmail.com
- 🌐 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.