

# DANIEL MARCIN

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## SKILLS

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Cost-benefit analysis, STATA, Python, Excel, Excel VBA, LyX, LaTeX, MATLAB, C, R, web scraping, linguistic analysis, YouTube, data management, data merging, fuzzy merging. Coursework in econometrics, energy and environmental economics, and structural modeling in addition to core and field courses.

## EXPERIENCE

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US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD) Washington, DC

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION

ECONOMIC MODELING AND ANALYTICS DIVISION

Senior Financial Economist 2020 - Present

- Coordinate annual model validation process
- Plan and conduct complex financial and economic research projects (i.e. short and long term) involving broad risk measurement and issues.
- Serve as an expert technical advisor on financial economic research and the mortgage market.
- Design, implement and apply statistical models and empirical techniques for the Division's research initiatives.
- Represent the office on topics such as model development and model governance.
- Collaborate with colleagues across program offices and other Federal agencies to monitor and assess the significance of current and future financial, economic, political, and technological developments.

US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD) Washington, DC

OFFICE OF POLICY DEVELOPMENT AND RESEARCH (PD&R)

PUBLIC FINANCE AND REGULATORY ANALYSIS DIVISION

Economist 2018 - 2020

- Evaluate costs and benefits of regulatory changes
- Head of agency-wide Opportunity Zones work group
- Experience with internal data on FHA Single Family mortgages and assisted housing recipients
- Contribute to research mission of PD&R
- Utilize relevant theory and modeling techniques in research in the following fields: housing and urban economics, economic cost-benefit analysis, public finance, and economic development
- Develop research applications independently, leading to a coherent and comprehensive written product.
- Apply new hypotheses and concepts in the evaluation of complex public policy questions; anticipate the nature and direction of public policy questions; and organize and present options for the use of appropriate policymaking bodies.
- Prepare narrative research reports which describe and assess the adequacy of methodology and data employed and discuss policy and regulatory implications.

THE GEORGE WASHINGTON UNIVERSITY Washington, DC

Adjunct Professor 2017 - Present

- Adjunct faculty in the MA in Applied Economics program
- Fall 2017: Behavioral Economics. Fall 2018 and Fall 2019: Managerial Economics, a National Association of Business Economists (NABE) Certified Business Economist (CBE) course. Spring 2020: Game Theory. Summer 2019 and Summer 2020: Urban Economics.

GEORGETOWN UNIVERSITY Washington, DC

Adjunct Professor 2019 - Present

- Adjunct faculty in the MA in Applied Economics program
- Summer 2019: Urban Economics.

INDEPENDENT CONSULTING Silver Spring, MD

Economist 2017 - 2018

- Helped clients with their data management and analysis
- Worked with a team of lawyers on stop-and-frisk litigation
- Prepared Microsoft Excel training materials for a federal financial management course

WELCH CONSULTING

Washington, DC

Economist

2016 - 2017

- Evaluated clock records at large health care provider to determine validity of plaintiff claims and amount of damages.
- Supervised pay equity study for large telecommunications company.
- Evaluated starting pay tool at large national retailer.
- Analyzed claims of discrimination in a fair housing dispute. Evaluated suitability of opposing expert's statistical measures to the matter at hand.
- Created a database of union members in online directory with advanced web scraping techniques.
- Improved efficiency of firm operations by introducing staff to new techniques and programs. Created Excel VBA tool to automatically format workbooks to company standard, saving hours of RA time.

COASE-SANDOR INSTITUTE FOR LAW AND ECONOMICS, UNIVERSITY OF CHICAGO LAW SCHOOL Chicago, IL

Research Professional

2014 - 2016

- Created and managed large datasets for academic research papers on topics including discrimination and antitrust cases, publicly traded companies, human rights treaties, immigration enforcement, federal wiretaps, federal sentencing, and supply chains.
- Developed Python scripts for web scraping projects including accessing a sheriff's department website to download information on detainees (16 months, 4500 observations), and crawling SEC website to extract information from 10-Ks (20 years, 250,000 observations).
- Performed data analysis for research teams in areas of Guantanamo Bay detainees, federal wiretaps, federal sentencing, the effect of *Twombly* and *Iqbal*, US Attorneys, and federal appeals.
- Partnered with UChicago clinic lawyers and Columbia University expert to provide data analysis for three federal cases on disparate treatment claims and employment discrimination.
- Created a series of internal videos to educate non-economist faculty on data analysis and management.
- Consulted UChicago Law on internal projects focusing on application projections and financial aid.

## EDUCATION

Ph.D. Economics, University of Michigan, Ann Arbor	May 2014
M.A. Economics, University of Michigan, Ann Arbor	April 2010
B.S. Mathematics <i>cum laude</i> , University of Maryland, College Park	May 2008
B.A. Economics <i>cum laude</i> , with honors, University of Maryland, College Park	May 2008

## DISSERTATION

ESSAYS ON THE REVENUE ACT OF 1924 2008-2014

- Described legislative passage and contents of the Revenue Act of 1924 including its most controversial provision for disclosure of name, address, and tax payment of all income taxpayers.
- Explored effect of publicity on tax filings due to major newspapers running information on tens of thousands of income tax payers.
- Created a 40,000 observation dataset from old newspaper records and provided full documentation of data. Data published early 2017 by ICPSR as study 36640.
- Researched and discovered Census data on top 400 taxpayers in 1924 and compared statistics to Census means for US, New York state, and New York City.
- Compared members of 1923-1924 income tax lists to other lists of high-income Americans.
- Explored tax incentives for the wealthy and their responses.

## PREVIOUS TEACHING & RESEARCH EXPERIENCE

UNIVERSITY OF MICHIGAN

Ann Arbor, MI

Graduate Student Instructor (GSI)

Winter 2009 - Winter 2014

Courses: Government Regulation of Industry (432, 3 semesters), Intermediate Microeconomics (401),

Philosophy and Economics (491), Monetary and Financial Theory (411), History of the Atlantic Economies (494, 2 semesters), Principles of Microeconomics (101, 3 semesters, once as sole instructor), American Industries (330)

INFORUM, UNIVERSITY OF MARYLAND

College Park, MD

Research Assistant

Summer 2008

UNIVERSITY OF MARYLAND

College Park, MD

Teaching Assistant

Fall 2006 - Spring 2008

Courses: Calculus I (140, 2 semesters), Calculus II (141, 2 semesters)

### **SERVICE**

- Maintain YouTube channel with self-made screencast tutorials on data management (channel dsmarcin)
- Referee, *Journal of Economic History*
- Co-president, Graduate Economics Society, University of Michigan, Ann Arbor, May 2010 – May 2012 (with Rob Garlick and Pawel Krolkowski)
- Treasurer, Graduate Employees' Organization, University of Michigan, Ann Arbor, May 2010 – May 2011. Helped negotiate first union contract without a strike since 1989.

### **PUBLICATIONS & BOOK REVIEWS**

- Marcin, Daniel. "Opportunity Zones: A Place-Based Incentive for Investment in Low-Income Communities." *Cityscape* 22(2), 2020. 101-109.  
<https://www.huduser.gov/portal/periodicals/cityscape/vol22num2/article8.html>
- Marcin, Daniel, and Alastair McFarlane. "Project Approval for Single-Family Condominiums." *Cityscape* 22(1), 2020. 279-292.  
<https://www.huduser.gov/portal/periodicals/cityscape/vol22num1/article11.html>
- Marcin, Daniel. "Evaluating Place-Based Incentives." *Evidence Matters*, Spring/Summer 2019. US Department of Housing and Urban Development, Washington, DC.  
<https://www.huduser.gov/portal/periodicals/em/SpringSummer19/highlight2.html>
- Marcin, Daniel. United States Individual Income Tax Payments, 1923-1924. ICPSR36640-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2017-02-07.  
<https://doi.org/10.3886/ICPSR36640.v1>
- Minor co-author on the 2014 book *The Son Also Rises*, by Greg Clark et al.
- Review of Joseph Thorndike, *Their Fair Share: Taxing the Rich in the Age of FDR* in *Journal of Economic History*, March 2014
- Review of Louis Eisenstein, *The Ideologies of Taxation* in *Journal of Economic History*, June 2011

### **CONFERENCE PRESENTATIONS**

2013 Social Science History Association, Chicago, IL	November 2013
2013 APPAM Conference, Washington, DC	November 2013
2013 World Cliometrics Congress, University of Hawaii, Manoa	June 2013
2013 Economics and Business History Society, Baltimore, MD	May 2013
2013 Midwest Economics Association, Columbus, OH	March 2013
2011 Economic History Association Conference, Boston, MA (poster)	September 2011