SCOTT COHN

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EDUCATION

The University of Texas at Austin — Master of Arts, Economics — Expected May 2021
Focus: Quantitative methods and application

University of Massachusetts Amherst — B.S., Economics, GPA: 3.7 — May 2020
Secondary Major: Mathematics

Relevant Courses: Causal Inference (G), Econometrics (G), Data Mining (G), Statistical Computing (G), Advanced Linear Algebra, Microeconomic Theory (G), Real Analysis, Experimental Economics (G), Differential Equations

EXPERIENCE

Santa Fe Institute (SFI) – Graduate Student *Researcher;* Santa Fe, NM — June 2019 – Present
Research institute dedicated to the study of complex adaptive systems
- Automated text-mining process for analysis allowing instant results and saving hundreds of hours of work and thousands in grant money
- Disentangled the causal impact of economics education from selection effects using a difference-in-difference econometrics strategy
- Cleaned data and created visualizations in R for paper on modeling methodology published in *Econometrica* (a top-5 publication)
- Co-authored a research paper on economics pedagogy for new models of inequality uniting standard labor and product markets

SFI and Department of Economics, Smith College – *Graduate Research Assistant;* Northampton, MA — May 2018 – Dec 2020
Forthcoming intermediate microeconomics textbook published by Oxford University Press
- Consulted with economics professors at Oxford after detecting their mistake in Excel analysis that led to reworking of drug pricing model
- Created static and interactive visualizations of economic models with R, HTML, and YAML for use in a textbook
- Solo-authored technical appendix on probability and calculus topics for textbook to be used by university professors and students
- Contributed to GitHub repository with 7-person development team, serving as go-to for resolving merge conflicts

Department of Resource Economics, University of Massachusetts Amherst – *Research Assistant;* Amherst, MA — May 2017 – May 2019
- Solo presenter of research on consumer behavior related to solar panel adoption at 200-person agriculture and environment conference
- Presented research literature reviews at weekly 10-person lab meetings with professors, post-docs, and PhD students
- Wrote Stata code to estimate consumer risk behavior for use in Massachusetts energy policy
- Verified self-reported health data accuracy of 300 individuals with primary care providers for use in economic experiments

AmeriCorps – *City Year Volunteer; M.S. 302 —The South Bronx, NY* — Aug 2015 – June 2016
- Solo organizer for a school-wide debate club that taught 6-8th graders how to research and present on open questions
- One of two coordinators for daily 300-person afterschool program
- Co-presented to 40-person session on team management and adaptive leadership at 600-person conference
- 1700 community service hours teaching 6th grade math and ELA

ACADEMIC PROJECTS

Master's Thesis – Effects of Decriminalization of Sex Work on Local Real Estate and Crime – *Ongoing* — Spring 2021
- Constructed hedonic pricing model in R using quasi-experimental data to estimate causal effects on real estate pricing and crime
- Scraped and cleaned 500,000 rows of crime data from Providence, RI police department over 15 years
- Aggregated scraped crime data, administrative real-estate data, and hand-recorded location data to construct 2.5 million row panel

Undergraduate Honors Thesis – Effects of the Degree of Belonging on Local Public Goods Provision — Aug 2020 – May 2020
- Designed economics experiment to study engagement with public goods and constructed demographic and political participation survey
- Wrote project grant that received Institutional Review Board (IRB) approval from University's human-subject review process

LEADERSHIP EXPERIENCE AND ACTIVITIES

Honors/Awards — May 2020
- Department of Resource Economics Outstanding Leadership and Service Award, Dean's List, CORE/Teagle Fellow

Learning Resource Center, University of Massachusetts Amherst – *One-on-One Academic Tutor* — Aug 2017 – May 2020
- Selected courses: Differential Equations, Mathematical Statistics I & II, Econometrics, Linear Algebra

ADDITIONAL INFORMATION

Computer Skills: R (Tidyverse, ggplot2), Python (Pandas, NumPy, Statsmodels, ggplot2, matplotlib), SQL, Tableau, Stata, Git, Excel
Interests: Brazilian Jiu-Jitsu, Cooking, A24 movies
Work Eligibility: U.S. citizen; eligible to work in the U.S. with no restrictions