

SCOTT COHN

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Github: <https://github.com/scottcohn97/Portfolio>

810 E 47th St Austin, TX 78751 • (978) 399-9365

EDUCATION

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| The University of Texas at Austin | Master of Arts, Economics <i>Focus: Quantitative methods and application</i> | Expected May 2021 |
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| University of Massachusetts Amherst | B.S., Economics, GPA: 3.7 Secondary Major: Mathematics | May 2020 |
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Top Skills:

- Able to communicate data analysis effectively and clearly across cross-functional teams
- Perform data analysis using SQL, python, R and Excel
- Create publication-quality visualizations and interactive dashboards of data (Tableau, Shiny)

Relevant Courses: Econometrics (G), Data Mining (G), Causal Inference (G), Statistical Computing, Advanced Linear Algebra, Microeconomic Theory (G), Real Analysis, Modeling Emergence: Social Simulation (G), Differential Equations

EXPERIENCE

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| Santa Fe Institute (SFI) – Graduate Research Assistant; Santa Fe, NM (Remote) | June 2019 – Present |
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Research institute dedicated to the study of complex adaptive systems

- Cleaned data and created visualizations in R for a [paper](#) published in *Econometrica* (a top-5 publication)
- Detected mistake in Excel analysis using R that led to reworking of the original model for [CORE-Econ](#) teaching materials
- Co-authored a research paper showing economics instructors how to teach new models of inequality
- Documented code to be replicable by instructors, students, or individuals seeking verify analysis

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| SFI and Department of Economics, Smith College – Graduate Research Assistant; Northampton, MA | May 2018 – Dec 2020 |
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Forthcoming intermediate microeconomics [textbook](#) published by Oxford University Press

- Created static and interactive visualizations of economic models with R, HTML, and YAML
- Wrote supplemental math materials for use by university instructors and students to facilitate understanding
- Replicated academic paper using source code for purpose of creating graphics to be used in a textbook

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| Department of Resource Economics, University of Massachusetts Amherst – Research Assistant; Amherst, MA | May 2017 – May 2019 |
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- Presented interdisciplinary literature reviews at regular lab meetings
- Presented research at conferences
- Wrote Stata code that performed maximum likelihood estimation for time and risk preference parameters
- Verified self-reported health data with primary care providers

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| City Year – AmeriCorps Volunteer (M.S. 302 – South Bronx) | Fall 2015 – Spring 2016 |
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- 1700 Community service hours teaching middle 6th grade math and ELA
- Organized a school-wide debate club that enabled 6-8th graders to research and present on open questions

ACADEMIC PROJECTS

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| Undergraduate Honors Thesis – Effects of the Degree of Belonging on Local Public Goods Provision | Spring 2020 |
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- Distilled interdisciplinary body of research into specific and answerable research question
- Project received Institutional Review Board (IRB) approval

LEADERSHIP EXPERIENCE AND ACTIVITIES

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| Honors/Awards | May 2020 |
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- Department of Resource Economics Outstanding Leadership and Service Award
- Dean's List
- CORE/Teagle Fellow (The CORE Project)

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| Learning Resource Center, University of Massachusetts Amherst – Academic Tutor | Fall 2017 – Spring 2020 |
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- 1-on-1 tutor for upper-level math and economics courses
- Selected courses: Differential Equations, Mathematical Statistics I & II, Econometrics, Linear Algebra

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| Undergraduate Researchers Interested in Data (UGriD) – Elected Treasurer | Fall 2017 – Spring 2018 |
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- Led workshops to teach undergraduate students introductory R skills

ADDITIONAL INFORMATION

Computer Skills: R (Tidyverse), Python (Pandas, NumPy, Statsmodels, SciKit Learn, ggplot, 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