

# Robert C. Schell

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## EDUCATION

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- **University of California, Berkeley** Berkeley, CA  
*PhD Candidate in Health Policy* *Expected graduation in May 2023*  
Concentration: Population Data Science  
GPA: 3.98
- **Cornell University** Ithaca, NY  
*Master of Science in Applied Economics and Management* *August 2017 - May 2019*  
Concentration: Quantitative and Econometric Analysis  
GPA: 3.73
- **Denison University** Granville, Ohio  
*Bachelor of Arts in Economics* *August 2012 - May 2016*  
GPA: 3.95

## RESEARCH INTERESTS

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Health Economics, Cost-Effectiveness, Causal Inference, Real-World Evidence, Precision Medicine and Genomics, Econometrics, and Big Data, Replicable and Transparent Research

## PUBLISHED WORK

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**Schell, Robert C.**, Ece Bulut, Hannah Padda, Amelia Safi, *et al.* “Responsible antibiotic use labeling and consumers’ willingness to buy and pay for fluid milk.” In press at *Journal of Dairy Science*. 2022.

**Schell, Robert C.**, Bennett Allen, William C. Goedel, *et al.* “Identifying Predictors of Opioid Overdose Death at a Neighborhood Level with Machine Learning.” *American Journal of Epidemiology*. 2022; 191(3): 526-533. <https://doi.org/10.1093/aje/kwab279>.

Kwan, Ada, Rachel Sklar, Drew B. Cameron, **Robert C. Schell**, *et al.* “Respiratory pandemic preparedness learnings from the June 2020 COVID-19 Outbreak at San Quentin California State Prison.” In press at *International Journal of Prisoner Health*. 2022. <https://doi.org/10.1108/IJPH-12-2021-0116>.

Marshall, Brandon D.L., Nicole Alexander-Scott, Jessie L. Yedinak, *et al.* (incl. **Robert C. Schell**). “Preventing Overdose Using Information and Data from the Environment (PROVIDENT): protocol for a randomized, population-based, community intervention trial.” *Addiction*. November 2021. <https://doi.org/10.1111/ADD.15731>.

**Schell, Robert C.**, David R. Just, David A. Levitsky. “Methodological Challenges in Estimating the Lifetime Medical Care Cost Externality of Obesity.” *Journal of Benefit-Cost Analysis*. July 2021:1-25. <https://doi.org/10.1017/BCA.2021.6>.

Bulut Ece, Amelia Stout, Michelle Wemette, Sebastian Llanos-Soto, **Robert C. Schell**, *et al.* “How does public perception of antibiotic use on dairy farms contribute to self-reported purchasing of organic?” *Journal of Food Science*. 2021; 86(5):2045-2060. <https://doi.org/10.1111/1750-3841.15720>.

**Schell, Robert C.**, David R. Just, David A. Levitsky. “Predicted Lifetime Third-Party Costs of Obesity for Black and White Adolescents with Race-Specific Age-Related Weight Gain.” *Obesity*. 2020; 28(2): 397–403. <https://doi.org/10.1002/oby.22690>.

## CURRENT RESEARCH

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**Schell, Robert C.**, William H. Dow, Lia C.H. Fernald, Patrick T. Bradshaw, and David H. Rehkopf. “How Educational Attainment Modifies the Causal Relationship Between Adiposity and Cardiovascular Disease: A Mendelian Randomization Study” (Dissertation Topic).

**Schell, Robert C.**, Madhav Nekkar, David A. Sears, Stefano M. Bertozzi, *et al.* “Cost-Effectiveness of a Response Testing System to Prevent COVID-19 Outbreaks in a Prison Dormitory Setting: An Agent-Based Modeling Study.

**Schell Robert C.**, William H. Dow, Lia C.H. Fernald, Patrick T. Bradshaw, and David H. Rehkopf. “Joint Effects of Body Mass Index and Waist-to-hip Ratio on Incident Cardiovascular Disease: A Factorial Mendelian Randomization Study” (Dissertation Topic).

**Schell, Robert C.**, William H. Dow, Lia C.H. Fernald, Patrick T. Bradshaw, and David H. Rehkopf. “The Effect of Step Count on the Association Between Genetic Risk of High Adiposity and Incident Cardiovascular Disease” (Dissertation Topic).

**Schell, Robert C.** “The Real-World Causal Effect of Semaglutide on Population Overweight and Obesity: A Regression Discontinuity Analysis.”

Allen, Bennett, **Robert C. Schell**, William C. Goedel, *et al.* “Translating predictive analytics for public health practice: A case study of overdose prevention in Rhode Island.” Revise and Resubmit at *American Journal of Epidemiology*.

Allen, Bennett, **Robert C. Schell**, William C. Goedel, *et al.* “PROVIDENT: Development and validation of a machine learning model to predict neighborhood-level overdose risk in Rhode Island.” Under review at *Epidemiology*.

## AWARDS & ACHIEVEMENTS

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2022: Awarded the University of California Dissertation-Year Fellowship.

2020 & 2021: Awarded National Institute of Aging T32 Demography Training Grant

2019: Awarded National Institutes of Health T32 Biomedical Big Data Training Grant in 2019

2017-2019: Full Tuition Scholarship and Teaching Assistantship Stipend from Cornell University

2016: Member of Theta Chapter of Phi Beta Kappa Honors Fraternity

2016: Senior Economics Fellow at Denison University

2016: Graduated 10th in Class at Denison University

2012: Denison Alumni Award

## TEACHING EXPERIENCE

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### UC Berkeley

Graduate Student Instructor for Econ of Population Health    January 2022 - May 2022; January 2023 - May 2023

Graduate Student Instructor for Intro to Probability and Statistics    July 2020 - August 2020

Graduate Student Instructor for Economic History    January 2020 - May 2020

### Cornell University

Strategy & Tactics of Pricing Graduate Teaching Assistant    January 2018 - October 2018

Emerging Markets Graduate Teaching Assistant    August 2017 - December 2017; August 2018 - May 2019

**Denison University**

Econometrics Teaching Assistant

January 2016 - May 2016

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**NON-TEACHING EXPERIENCE**

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**UC San Francisco**

Consultant

November 2020 - December 2021

**UC Berkeley**

Graduate Student Researcher under Professor Ahern

January 2020 - present

**S.R. Snodgrass, P.C.: Certified Public Accountants and Consultants**

Consulting Associate

June 2016 - August 2018

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**PRESENTATION**

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Presenter in "The promise of machine learning for responding to epidemics and other public health crises" at 2021 Society for Epidemiologic Research

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**MANUSCRIPT REVIEWER (AD-HOC)**

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*American Journal of Epidemiology**Health Informatics Journal*

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**UNIVERSITY SERVICE**

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**UC Berkeley**

Health Policy PhD Faculty Search Committee Member in 2022

Health Policy PhD Admissions Committee Member in 2020

**Cornell University**

Graduate Student Assembly New Student Coordinator in 2018

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**SKILLS**

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- **Languages:** R, Stata, SPSS, Plink, GAML, Python, Javascript