Robert C. Schell

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1936A Francisco Street, Berkeley, Ca 94709

EDUCATION

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

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

PUBLISHED WORK

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: 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: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: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: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

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

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

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

Non-Teaching Experience

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

Presentation

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

Manuscript Reviewer (Ad-hoc)

American Journal of Epidemiology
Health Informatics Journal

University Service

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

Skills

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