

# Sayorn Chin

## Colorado State University

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## Education

Ph.D. Econometrics and Quantitative Economics, Colorado State University, Expected Spring 2023

*Dissertation Title:* Three Essays in Health and Welfare Economics

*Committee:* Dr. David Mushinski (advisor), Dr. Sammy Zahran (co-advisor), Dr. Ray Miller, Dr. Jude Bayham

M.A. Economics, Colorado State University, 2019

B.A. Econometrics and Quantitative Economics, Colorado College, 2017

## Certificates

Postgraduate Program in Data Science from Purdue University [2021–2022]

*Relevant Coursework:* Data Science with R; Data Science with Python; Machine Learning; Natural Language Processing; Tableau Training; Data Science Capstone; Industry Master Class

IBM Data Science Professional Certificate [2020–2022]

*Relevant Coursework:* What is Data Science; Tools for Data Science; Data Science Methodology; Python for Data Science, AI & Development; Python Project for Data Science; Databases & SQL for Data Science with Python; Data Analysis with Python; Data Visualization with Python; Machine Learning with Python; Applied Data Science Capstone

## Research Fields

Applied Microeconomics | Health, Public & Welfare Economics | Development & Population Economics

## Topics of Interest

Health Policy | Health & Social Inequality | Longitudinal Data Analysis | Applied Machine Learning

## Employment Experience

Data Scientist, Mountain Data Group, Jan 2022 – Present

Data Science Intern, Mountain Data Group, May 2021 – Dec 2021

Graduate Teaching Instructor, Colorado State University, July 2020 – present

Graduate Teaching Assistant, Colorado State University, Aug 2017 – May 2020

## Teaching Experience

Graduate Teaching Instructor

Economic Development [Fall 2021]

Intermediate Microeconomics [Spring 2022, Fall 2021, Spring 2021]

Principle of Microeconomics [Spring 2022, Summer 2020]

Graduate Teaching Assistant

Principle of Macroeconomics | Introduction to Econometrics | Principle of Microeconomics

## Research

Working Papers

Miller, R., Chin, S., & Sedai, A.K. The Welfare Cost of Late-life Depression. [PDF](#)

Work in Progress

Chin, S., & Miller, R. Beyond Income: Health, Wealth, and Racial Welfare Gaps Among Older Americans

Chin, S., Zahran, S., & Mushinski, D. Physician Behavior, Tort Reform and Defensive Medicine Revisited: An Investigation of Cesarean Deliveries

Chin, S., Zahran, S., & Mushinski, D. Daylight Time Saving Transitions and Expressed Sentiment: Evidence from Twitter

Sedai, A.K., & Chin, S. Does Better Fuel Choice Lead to Better Employment? An Analysis by Gender and Caste in India

Mudenda, L.D., Perry, T., & Chin, S. Household Financial Insecurity and Parental Time Investment: Evidence from the Panel Study of Income Dynamics

## Honors, Awards, and Fellowships

Winner of the Association for Institutional Economics & Association for Evolutionary Economics 16<sup>th</sup> Annual Student Scholars Award [2021]. More info available [here](#)

Awarded a full financial aid [USD 312,320] to attend Colorado College based on academic merit

Awarded USD 80,000 from the Davis United World College Scholars to attend Colorado College. More info available [here](#)

Participated and won a five-years scholarship to attend the United World College of Southeast Asia. More info available [here](#)

## Conference Presentations

The Western Social Science Association (WSSA)'s 63<sup>rd</sup> Annual Virtual Conference [2021]

## Professional Affiliations

*Member of:* American Economic Association | American Society of Health Economists

## Software Proficiency

Python Programming | R Programming | MySQL | Tableau | L<sup>A</sup>T<sub>E</sub>X

## References

Dr. [Sammy Zahran](#), Ph.D.  
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Department of Epidemiology  
Colorado School of Public Health  
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Assistant Professor of Economics  
Department of Economics  
Colorado State University  
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