

# Eric Zhou

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## EDUCATION

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### Wagner School of Public Service, New York University

New York, NY

*Ph.D. in Health Policy and Economics*

*Expected May 2024*

- Dissertation title: Health and Education of NYC Children During the Pandemic: Evaluating the Role of Vaccines and Healthcare Utilization
- Field: Applied Econometrics and Health Economics
- Committee members: Brian Elbel, Amy Ellen Schwartz, Laura Wherry

### Harris School of Public Policy, the University of Chicago

Chicago, IL

*M.A. in Public Policy Analysis (MACRM)*

*March 2019*

### New York University

New York, NY

*M.A. in Applied Quantitative Research*

*March 2017*

### Xiamen University

Fujian, China

*LLB. in Sociology*

*May 2015*

## EXPERIENCE

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### Associate Research Scientist

September 2019 – Present

*Department of Population Health, NYU Grossman School of Medicine*

*NY, NY*

- Lead in research design and methodology for high-profile NIH-funded projects, dealing with extensive datasets and complex analytical frameworks
- Execut sophisticated econometric and statistical analyses on large-scale data, leveraging advanced techniques to extract key insights and shape critical healthcare policy decisions
- Manage the integration of vast administrative databases, including Medicaid, employing advanced machine learning algorithms to ensure efficient data synthesis and accuracy

### Research Analyst

May 2018 – May 2019

*TMW Center for Early Learning + Public Health, the University of Chicago Medical Center*

*Chicago, IL*

- Executed multiple imputation and sample-selection modeling to address missing values in longitudinal survey data
- Performed advanced data analysis, including causal inference for longitudinal data, Markov Chain maximizations, and Bayesian inference with semi-parametric estimations

### Research Analyst

August 2017 – March 2019

*The Center for Health and The Social Sciences, the University of Chicago Medical Center*

*Chicago, IL*

- Led analytical projects utilizing large scale data from EMR (Epic), Premier billing databases, and patient surveys to inform healthcare delivery
- Developed an automated system for generating progress reports with visualizations, enhancing the monitoring of staff productivity and project developments

## PUBLICATIONS

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**Zhou, Eric**, Amy Ellen Schwartz, Brian Elbel. [Gentrification and Childhood Obesity: Evidence from New York City Public School Students in Public Housing](#), Obesity (Silver Spring). 2023; 1-8.

Elbel, Brian, **Eric Zhou**, David C. Lee, Willy Chen, Sophia E. Day, Kevin J. Konty, and Amy Ellen Schwartz. [Analysis of School-Level Vaccination Rates by Race, Ethnicity, and Geography in New York City](#), 2022, JAMA network open 5, no. 9

## WORKING PAPER

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**Job Market Paper:** Eric Zhou, The Effects of COVID-19 Vaccines on the Health and Educational Outcomes of Children: Evidence from New York City Public Schools

Eric Zhou, The Predictors of Covid Vaccine Uptake of Public School Students in NYC

Eric Zhou, The Delay of Routine Medical Care And Vaccinations Among Children during the Covid Pandemic

## TECHNICAL SKILLS

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**Programming Languages:** R, Stata, L<sup>A</sup>T<sub>E</sub>X, Python(intermediate), SQL(beginner)

**Specialization:** Applied Econometrics, Causal Inference, Machine Learning

## TEACHING

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**Adjunct Professor:** Advanced Research Projects in Quantitative Analysis (CAP-GP 3148), NYU Wagner, 2022-2024

## REFEREEING ACTIVITIES

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*Obesity, Data in brief, Pediatrics*

## INVITED TALKS

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Association for Public Policy Analysis and Management (APPAM) Annual Conference 2023

American Public Health Association (APHA) Annual Conference 2023