



# Krista Neumann

*Epidemiology PhD Candidate at UC Berkeley*

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## Education

- Aug 2020 – Present **PhD, Epidemiology and Biostatistics, UC Berkeley**  
Cumulative GPA: 4.0  
Advisor: Corinne A. Riddell  
Working Dissertation: *Addressing Food Insecurity Through Policy: Setting the Context for Effective Policy Development*  
Funding: T32 Computational Social Science Training Program Fellow  
Expected Completion: Early 2024
- 2013 **Bachelor of Mathematics, University of Waterloo (Canada)**  
Major: Honours Combinatorics and Optimization  
Graduated with Distinction, overall cumulative average of 90.5%

## Research Experience

- Jan 2023 – Present **Graduate Student Researcher, UC Berkeley**  
Analyzed state-level minimum wage policy changes on resulting child maltreatment-related deaths; lead data cleaning, analysis, and manuscript write-up.
- Jan 2021 – May 2021 **Graduate Student Researcher, UC Berkeley**  
Analyzed Google search data to better understand the impact of COVID-19 Pandemic policies on child maltreatment, intimate partner violence, and domestic violence.

## Teaching Experience

- Jan 2022 – May 2022 **Graduate Student Instructor: Epidemiologic Methods 2, UC Berkeley**  
Taught discussion section; developed new materials for power and statistical inference lesson; assisted in the writing of course exams; hosted office hours and responded to student questions.
- Jun 2021 – Dec 2021 **Head Graduate Student Instructor: Epidemiologic Methods 1, UC Berkeley**  
Managed a team of 5 graduate student instructors including coordination of assignments and conflict resolution; assisted in writing exams and assignments; helped prepare course website and materials prior to semester start; led weekly class discussion section (whose attendance

increased throughout the semester due to students switching into my section); hosted office hours and responded to student questions.

Feb 2019 – **Math Tutor, Jewish Vocational Service (JVS)**

Mar 2019 Assisted adult learners in JVS's Automotive Pre-apprentice program with algebra skills; worked 1:1 with students to review questions and ensure their understanding.

2009 – 2012 **Teaching Assistant, University of Waterloo**

Served as teaching assistant for several calculus, statistics, and optimization courses; developed and taught R tutorial; graded assignments; assisted with student questions.

## Public Health Practice Experience

May 2021 – **Epidemiology Intern, San Mateo County, California**

Feb 2022 Produced report on excess county deaths and death disparities by race during the COVID-19 Pandemic; worked with state COVID-19 reporting team and wrote R code to help automate reports; performed surveillance activities which monitored hospital emergency department admissions, drug overdoses, as well as early indicators of increased cold and flu activity.

## Service

Jan 2023 – **Thesis Reviewer, UC Berkeley**

Present Provided critical and constructive feedback on masters of public health thesis papers and capstone projects.

Sep 2021 – **Undergraduate Mentor, UC Berkeley**

Dec 2022 Mentored and advised an undergraduate student in epidemiological methods and survivor analysis; helped inform analytic strategic, coding, and interpretation.

## Previous Professional Experience

2015 – 2020 **Multiple University Development Positions & Promotions, UC San Francisco**

Associate Director of Data and Strategy, Annual & Special Giving, 2018-2020

Assistant Director, Annual & Special Giving, 2017-2018

Data Analyst, Neuroscience Major Gift Fundraising, 2016-2017

Analyst, Alumni Relations, 2015-2016

2013 – 2015 **Data Analytics and Strategy Positions at Bay Area Startup Companies**

Lead Search Engine Optimization (SEO) Strategist, *Six Spoke Media*

Marketing and Data Analytics Associate, *Retailence Corporation*



## Peer Reviewed Publications

**Neumann K**, Mason SM, Farkas K, Santaularia NJ, Ahern J, Riddell CA, Harnessing Google Health Trends Data for Epidemiologic Research, *American Journal of Epidemiology*, 2022 doi.org/10.1093/aje/kwac171

Riddell CA, **Neumann K**, Santaularia NJ, Farkas K, Ahern J, Mason SM, Excess Google Searches for Child Abuse and Intimate Partner Violence During the COVID-19 Pandemic: Infoveillance Approach. *J Med Internet Res* 2022;24(6):e36445. doi:10.2196/36445

Riddell CA, Farkas K, **Neumann K**, Santaularia J, Ahern J, Mason SM. US shelter in place policies and child abuse Google search volume during the COVID-19 pandemic. *Preventive Medicine*. 2022 Oct;163:107215. doi.org/10.1016/j.ypmed.2022.107215

Potter AL, Haridas C, **Neumann K**, Kiang MV, Fong ZV, Riddell CA, Pope HG, Yang CJ. The Incidence, Timing, and Predictors of Suicide Among Patients Undergoing Surgery for Cancer in the United States. *JAMA Oncology*. 2023;9(3):308-315. doi:10.1001/jamaoncol.2022.6549

## Abstracts, Posters and Presentations

**Neumann K**, Farkas K, Mason SM, Altman MR, Santaularia J,. *Google search and family violence post-Dobbs decision*. [Poster Presentation Accepted.] Society for Epidemiologic Research (SER) Annual Conference. June 2023.

**Neumann K**,. *Harnessing Google Health Trends API Data: A How-to Guide for Epidemiologic Research*. [Oral Presentation] Berkeley Computational Social Science Forum. April 2022.

**Neumann K**, Mason SM , Farkas K, Santaularia J, Ahern J, Riddell CA. *Harnessing Google Health Trends API Data for Epidemiologic Research: A Methodological Approach*. [Poster Presentation.] Interdisciplinary Association for Population Health Science (IAHPS) Annual Conference. Virtual due to COVID-19. October 2021. Poster Prize Winner.

Riddell CA, Farkas K, **Neumann K**, Santaularia J, Ahern J, Mason SM. *The effect of US shelter-in-place policies on child abuse during the COVID-19 pandemic*. Presented at the Annual Meeting of the Society for Perinatal and Pediatric Epidemiologic Research (SPER). Virtual Conference. May 26, 2021.

## Awards and Honors

**Outstanding Graduate Student Instructor**, UC Berkeley, 2022  
**Poster Prize Winner**, IAHPS, 2021



## Scientific Memberships

Society for Epidemiologic Research (SER): 2021 - *Present*

Interdisciplinary Association for Population Health Science (IAHPS): 2021 – *Present*

The National Association of County Health Officials (NACCHO): 2020 - 2021