

Krista Neumann

PhD Candidate, Epidemiology & Biostatistics

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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 – Mar 2019 **Math Tutor**, *Jewish Vocational Service (JVS)*
 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 – Feb 2022 **Epidemiology Intern**, *San Mateo County, California*
 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 – Present **Thesis Reviewer**, *UC Berkeley*
 Provided critical and constructive feedback on masters of public health thesis papers and capstone projects.
- Sep 2021 – Dec 2022 **Undergraduate Mentor**, *UC Berkeley*
 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, *Retailgence 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](https://doi.org/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](https://doi.org/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, 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.

Professional Speaking Engagements

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| Jul 2019 | MedFund Annual Conference, New York City
"Maximizing Digital Presence: Personalized Email Marketing Strategies" |
| Apr 2019 | NACCCDO Annual Conference, Oklahoma City
"Digital Strategies for Increased Donor Engagement" |
| Jun 2018 | MedFund Annual Conference, San Francisco
"Grateful Patient Program Panel: Resonating with Your Audience" |

Awards and Honors

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

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