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

<u>Head</u> 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**, *Retailigence 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
https://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. https://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*. 2022. Epub ahead of print.

Abstracts, Posters and Presentations

Neumann K, Mason SM , Farkas K, Santalauria 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**, Santalauria 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

Jul 2019	**MedFund Annual Conference**, *New York City* *"Maximizing Digital Presence: Personalized Email Marketing Strategies"*
Apr 2019	**NACCDO 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

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