

SARAH FORREST

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EDUCATION

Columbia University, Mailman School of Public Health, New York, NY

Expected May 2023

Master of Public Health in Epidemiology, Certificate in Applied Biostatistics and Public Health Data Science | GPA: 4.06 (A+)

- Activities & Honors: Columbia Mailman Consulting Club, Healthcare Data Analytics Club, Student Well-Being Collective
- Relevant Coursework: Epidemiology I-III, Applied Regression Analysis I & II, Analysis of Categorical Data, SAS, Data Science/R

University of Washington, School of Public Health, Seattle, WA

June 2019

Bachelor of Arts in Public Health-Global Health, Minor in Nutritional Sciences | GPA: 3.62

EXPERIENCE

Columbia University, Department of Biostatistics, Graduate Teaching Assistant, New York, NY

Sept. 2022 – Present

- Improve student learning outcomes and statistical analysis skills for *Statistical Computing with SAS & Applied Regression* courses by facilitating discussion and providing effective feedback to 100+ students from non-technical backgrounds.
- Create video tutorials introducing students to the SAS interface and teach fundamentals of statistical programming.

Columbia University, Geospatial and Applied Prevention Science Lab, Research Assistant, New York, NY

Feb. 2022 – Aug. 2022

- Investigated associations between urban design, child mobility, and crash risks in California cities, to support a NIH grant proposal informing how best to configure transportation networks to reduce crash incidence and minimize health inequities.
- Created statistical models to predict mobility using mixed linear regression and multinomial logistic regression in SAS and R.
- Extracted and cleaned mobility data for 3,000+ children in over 250 cities from publicly available data sources using SAS.
- Created graduated color maps of urban design measures for California cities using Geographic Information Systems in ArcGIS and R to confirm accuracy of variable calculations.
- Created compelling data visualization, summary tables, and model result reports in R for publication and presentation.
- Conducted a comprehensive review of available literature on spatial epidemiology and children's mobility research.

Seattle Epidemiologic Research & Information Center, Human Subjects Research Assistant, Seattle, WA

Oct. 2020 – Aug. 2021

- Created and coded queries from a complex data set of 14,000+ individuals and 30+ different studies (surveys, medical records, biospecimen data) over 30 years; accurately recorded data and created reports in MS Access and Excel and presented weekly updates to Team to improve veterans' health using epidemiologic research.
- Developed three study procedures, recruitment scripts, and trained new staff to ensure consistency and reliability.
- Successfully recruited and followed up with 500+ research participants through phone and written correspondence.
- Accurately prepared documentation for Institutional Review Board (IRB) submissions.
- Collaborated with senior subject matter experts and researchers in three locations across the United States.

University of Washington Honors Program, Bonderman Fellow, South America & Southeast Asia

Sept. 2019 – March 2020

- Selected as one of 9 undergraduate students out of a graduating class of 8,000+ for the highly competitive fellowship.
- Independently traveled for 6 continuous months in South America and Southeast Asia to investigate systems of public health and explore multicultural approaches to wellness and modes of healing across 7 different countries.

University of Washington Food Pantry, Fresh Food and Sustainability Intern, Seattle, WA

Jan. 2019 – Aug. 2019

- Spearheaded the development of sustainable food recovery strategies to supply the Pantry with fresh meals and produce.
- Established working relationships and maintained frequent communication with community partners to facilitate donations.
- Established a 5-person team to recover food from scratch by recruiting, training, and leading student volunteers.

University of Washington Health Promotion Office, Pre-Exposure Prophylaxis Assessment Lead, Seattle, WA

Jan. 2019 – June 2019

- Collaborated with an interdisciplinary team and conducted literature reviews to inform the creation of a research question examining the barriers and facilitators to accessing HIV services by LGBTQIA students on the UW campus.
- Developed a survey that received 90+ responses and coded responses in Excel to visualize data and identify themes.
- Presented research findings to university administrators at the UW Student Well-Being Collaborative and proposed recommendations to reduce barriers by emphasizing patient anonymity and insurance coverage of PrEP.

SKILLS

Computer: Strong knowledge of MS Office (Word, Excel, Access, PowerPoint), statistical applications (SAS, R), ArcGIS, REDCap

Certifications: CITI (human subjects research), HIPAA (patient privacy), VA Human Subjects Protection training/certification

Language: Intermediate level of proficiency in Spanish, extensive travel in 10 countries in South America and Southeast Asia