

Postdoctoral Scholar in Population Size Estimation
University of California, Berkeley

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Posted May 13, 2024, set to expire Jun. 30, 2024

Job Title	Postdoctoral Scholar in Population Size Estimation
Department	
Institution	University of California, Berkeley Berkeley, California
Date Posted	May 13, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Statistics & Actuarial Science
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Job Description

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SEEKING POST DOCTORAL FELLOW
Postdoctoral Scholar in Population Size Estimation

Innovations for Youth (i4Y), a youth equity research lab at UC Berkeley, has an opening for a twelve-month, in-residence postdoctoral scholar in social epidemiology and biostatistics. The post-doctoral scholar's responsibilities will be intellectual and highly-skilled contributions to the center's ongoing projects, with a focus on developing skills in population size estimation of hidden populations. The postdoctoral scholar will collaborate with faculty at UC Berkeley and UCSF to conduct population size estimation of youth experiencing homelessness in 6 California communities. The principal method that will be employed will be a capture-recapture/multiple systems estimation approach applied to administrative data from providers and government agencies from each community. The postdoctoral scholar hired in this role will: 1) conduct population size estimations, 2) collect, manage, and encode

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administrative data, 3) write academic publications and publicly-facing reports, 4) disseminate findings, 4), and 5) mentor undergraduates.

We are ideally seeking candidates who are available to start asap or as of July 1st, but this is not required. Your mentorship will come from two faculty members: Professor Colette (Coco) Auerswald at UC Berkeley, with whom you will meet regularly, and Professor Paul Wesson at UCSF, who will support the specific population size estimation methods. You will also partner with our YAAH project coordinator and have access to mentorship from other faculty within i4Y. The postdoc will also participate directly in community engagement regarding data management and dissemination of findings.

Candidates should have or be completing a PhD in epidemiology/statistics/biostatistics or other quantitative field with strong quantitative, methodologic, and statistical analysis skills. Completion of PhD will be required prior to starting the role. Knowledge of R programming language required. SAS or STATA is welcome to prepare large data sets but not required. Candidates with the following skills are encouraged to apply: excellent quantitative and applied research skills in methodology development and data analysis (including data linkage, regression analysis, missing data), data cleaning of large administrative data sets, and strong oral and written communication skills. Experience with machine learning approaches (SuperLearner, cross-validation) and SQL programming language proficiency a plus.

Please communicate your interest in this full-time position, by submitting your cover letter, CV, the names of 3 academic references, and the pdf(s) of one to two publications toi4Y@berkeley.edu. Please review the specific questions in the full posting to include in your cover letter. Note, this position requires that all Ph.D. degree requirements be completed prior to start date. Consideration will be given on a rolling basis until the position is filled. We will review applications on a rolling basis starting on May 13, 2024.

The University of California is an Equal Opportunity / Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete UC nondiscrimination and affirmative action policy see:

<http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>. Information about salary and benefits can be explored with the Visiting Scholars and Postdoctoral Affairs (VSPA-<https://vspa.berkeley.edu/why-berkeley>) office. The salary range is between \$64,480 and \$77,327 annually and we are expecting at least 3% increase effective October 1, 2024. For salary tables, see: <https://www.ucop.edu/academic->

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

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