

Research Data Analyst (6610U) - Institute of
Transportation Studies
University of California, Berkeley

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Posted Aug. 2, 2024, set to expire Nov. 28, 2024

Job Title	Research Data Analyst (6610U) - Institute of Transportation Studies
Department	Institute of Transportation Studies
Institution	University of California, Berkeley Berkeley, California
Date Posted	Aug. 2, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Transportation Engineering
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Job Description

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Research Data Analyst (6610U) - Institute of Transportation Studies

About Berkeley

At the University of California, Berkeley, we are committed to creating a community that fosters equity of experience and opportunity, and ensures that students, faculty, and staff of all backgrounds feel safe, welcome and included. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

The University of California, Berkeley, is one of the world's leading institutions of higher education, distinguished by its combination of internationally recognized academic and research excellence; the

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transformative opportunity it provides to a large and diverse student body; its public mission and commitment to equity and social justice; and its roots in the California experience, animated by such values as innovation, questioning the status quo, and respect for the environment and nature. Since its founding in 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual, economic and social value in California, the United States and the world.

We are looking for equity-minded applicants who represent the full diversity of California and who demonstrate a sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds present in our community. When you join the team at Berkeley, you can expect to be part of an inclusive, innovative and equity-focused community that approaches higher education as a matter of social justice that requires broad collaboration among faculty, staff, students and community partners. In deciding whether to apply for a position at Berkeley, you are strongly encouraged to consider whether your values align with our [Guiding Values and Principles](#), our [Principles of Community](#), and [our Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. To find out more about how you can grow your career at UC Berkeley, visit grow.berkeley.edu.

Departmental Overview

Since its creation in 1947, the Institute of Transportation Studies has been one of the world's leading centers for transportation research, education, and scholarship by developing leading-edge innovations influencing movement of people and goods and advancing sustainability, economic health, and quality of life.

ITS serves as UC Berkeley's nucleus for multidisciplinary transportation research - including engineering, the physical sciences, social sciences, and humanities; student engagement; and outreach by addressing transportation problems and solutions in aviation operations, environmental and health impacts of transportation, infrastructure management, intelligent transportation system, logistics, pavement engineering, traffic operations, traffic safety, transit operations, transportation and energy, and transportation planning.

Over 150 faculty, researchers, and staff members are associated with ITS through various research and educational activities. More than 100 graduate students pursuing master and doctoral degrees currently study with ITS faculty and researchers. Over 125 graduates have gone on to university faculty

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positions and many more have become industry and government leaders.

The Institute's programs receive an average of \$25 million in extramural funds each year, one of the largest such totals at the University for a research facility or academic department. ITS leverages its core state funding by a ratio of over 12:1.

The Research Data Analyst is responsible for conducting quantitative risk assessments (QRA) of transportation policies, their health outcomes, and their climate co-benefits. Position will join a large, multisite, research group (Salud Urbana en America Latina - SALURBAL) involving several institutions across the United States and Latin America conducting research in these two geographic areas. At UC Berkeley, the project is housed at the Institute of Transportation Studies and is led by a team involving Professor Daniel A. Rodriguez (City and Regional Planning) and Professor Iryna Dronova (Landscape Architecture and Environmental Planning and Environmental Sciences and Policy). This Research and Development Engineer will join a team of faculty, postdoctoral scholars, and graduate students at Berkeley also working on these projects.

This is a 55% FTE, 2-year contract role with the possibility of extension. The position may increase to up to 85% FTE depending on future funding.

Application Review Date

The First Review Date for this job is: August 7, 2024 - Open Until Filled

Responsibilities

20% -Serves as a principal assistant to the faculty investigator or research administrator in charge. Leads the design and application of a quantitative risk assessment of select transportation-related policies and their health and climate impacts.

20% - Identify policies to be considered through review of the literature. Interact with critical actors in Latin America and SALURBAL researchers to finalize the policies.

20% - Review epidemiologic evidence of expected impacts. Quantify effects using exposure response functions. Identify key inputs. Code functions and model into software (R or Python). Display results and uncertainty associated with them.

20% - Communicate findings to other researchers and decision-makers; disseminate findings to the broader public and others via a dashboard, briefs, and scientific manuscripts; supervise students

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and/or postdocs working on the same topic.

10% -Contributes to other SALURBAL activities related to the area of expertise (environmental science and health). This includes participating in manuscripts, providing expert opinion on topics of interest, and interacting with SALURBAL colleagues.

10% - Plans, organizes and supervises the work of graduate and undergraduate students. Provides project management and coordination. Participates in group meetings (Berkeley-focused and SALURBAL); monitors and reports the progress of the project components; organizing and running internal and external virtual meetings for the QRA with other SALURBAL parties; and participating in training and skills development.

Required Qualifications

- Proven experience in quantitative risk assessment, including the development of modules around understanding the health impacts of interventions or behaviors.
- A general understanding of the international landscape on health promotion and disease prevention, including multilateral organizations (e.g., UN, development banks, etc.).
- A proven or promising publications record that include health impact assessment generally, and quantitative risk assessment in particular.
- Experience with data analysis, statistical methods and related statistical software (e.g., R, Matlab, Python).
- Interest in examining effects environmental exposures related to a changing climate on health outcomes.
- Ability to synthesize the empirical literature.
- Experience and interest in leading manuscripts for publication in peer-reviewed journals.
- Detail-oriented, extremely organized, and comfortable with multitasking.
- Excellent oral, written, analytical, organizational, and interpersonal skills.
- Team oriented and experienced working with diverse groups of investigators and trainees.

Preferred Qualifications

- Preferred the successful candidate holds, or be about to be conferred, a doctoral degree in Public or Community Health, Epidemiology, Geography, Environmental Sciences, Earth Sciences, Engineering, Engineering or related fields (or equivalent international degree).

Salary & Benefits

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For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The budgeted salary or hourly range that the University reasonably expects to pay for this position is \$109,200 to \$133,850 yearly, prorated based on FTE percentage. This is a 55% FTE, 2-year contract position that may increase to up to 85% FTE depending on future funding. This position is eligible for benefits.

Other Information

This is a 55% FTE, 2-year contract role with the possibility of extension. The position may increase to up to 85% FTE depending on future funding.

Conviction History Background

This is a designated position requiring fingerprinting and a background check due to the nature of the job responsibilities. Berkeley does hire people with conviction histories and reviews information received in the context of the job responsibilities. The University reserves the right to make employment contingent upon successful completion of the background check.

Equal Employment Opportunity

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, or protected veteran status. For more information about your rights as an applicant, please see the [U.S. Equal Employment Opportunity Commission](#) poster.

The [University of California's Affirmative action policy](#).



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The [University of California's Anti-Discrimination policy](#).

To apply, visit

https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_S

Contact Information

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

Contact

N/A

University of California, Berkeley

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