

Research Data Analyst (6256U) 73987
University of California, Berkeley

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Posted Oct. 30, 2024, set to expire Feb. 26, 2025

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| Job Title | Research Data Analyst (6256U) 73987 |
| Department | Kaufer Lab |
| Institution | University of California, Berkeley Berkeley, California |
| Date Posted | Oct. 30, 2024 |
| Application Deadline | Open until filled |
| Position Start Date | Available immediately |
| Job Categories | Professional Staff |
| Academic Field(s) | Statistics & Actuarial Science Computer/Information Sciences |
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Job Description

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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,

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distinguished by its combination of internationally recognized academic and research excellence; the 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

The Kaufer lab is part of the Integrative biology department and the Neuroscience institute and is studying how does the brain deal with perturbations like stress, Traumatic brain injury and aging, and what are the mechanisms underlying trajectories of resilience vs. vulnerability. To address this, we are taking a multi-systems approach incorporating molecular, biochemical, electrophysiological, and behavioral analyses in rat and mouse models.

The Research Data Analyst develops, maintains, analyzes and optimizes databases for storing and managing large datasets related to neuroscience and AI research. Designs and implements data pipelines to collect, clean, and process raw data from various sources, including experimental and observational studies.

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Application Review Date

The First Review Date for this job is November 11, 2024

Responsibilities

- Develop, maintain, analyzes and optimize databases for storing and managing large datasets related to neuroscience and AI research.
- Design and implement data pipelines to collect, clean, and process raw data from various sources, including experimental and observational studies. Integrate data across different platforms without compromising its integrity or security.
- Perform statistical analysis and machine learning modeling to identify patterns, trends, and correlations in research data.
- Collaborate with neuroscientists, biologists, and other researchers to develop and refine data-driven hypotheses and experimental designs.
- Create data visualizations and dashboards to communicate findings effectively to both technical and non-technical stakeholders.
- Support the integration of data across multiple platforms, ensuring data consistency, security, and integrity.
- Stay updated on the latest tools and techniques in data science, machine learning, and artificial intelligence relevant to the lab's research focus.
- Provide training and support to lab members on data management and analysis tools.

Required Qualifications

- Proficiency in statistical analysis and machine learning tools.
- Strong programming skills (e.g., Python, R, SQL).
- Experience with database building, management, and analysis.
- Experience with data visualization tools (e.g., Tableau, Power BI, matplotlib).
- Bachelor's degree in Computer Science or a related field and/or equivalent experience/training.

Preferred Qualifications

- Master's degree in Computer Science or a related field and/or equivalent experience/training.

Salary & Benefits

This is a full-time career position.

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This position is eligible for full UC Benefits. 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 hourly range that the University reasonably expects to pay for this position is \$34.77 to \$61.78.

How to Apply

To apply, please submit your resume and cover letter.

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](#).

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

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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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