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# Data Analyst 1

School of Medicine, Stanford, California, United States

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Stanford University will be officially closed for regular business from Monday, December 20, 2021 through Friday, December 31, 2021. Normal operations resume on Monday, January 3, 2022.

You may continue to apply for opportunities during our winter closure. Since many of the University's schools and administrative units are closed, your application may not be reviewed until normal operations resume on January 3, 2022, or shortly thereafter.

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## Job Summary

DATE POSTED	SCHEDULE	JOB CODE	EMPLOYEE STATUS
Nov 17, 2021	Full-time	4744	Regular
GRADE	DEPARTMENT URL	REQUISITION ID	
G		92210	

**Clinical Research Coordinator for Large Neuroimaging Study of Aging and Alzheimer's disease**

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**Manager,  
Bioinformatics  
Group**

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The Mermine Laboratory within the Department of Neurology and Neurological Sciences is seeking a Data Analyst I to work on large scale neuroimaging harmonization efforts to understand Alzheimer's disease pathology in human aging and neurological diseases. The Data Analyst will contribute to the analysis of multi-cohort PET and MRI data for the Alzheimer's Disease Sequencing Project Harmonization Consortium (ADSP-HC). The goal of this project is to generate reliable quantitative phenotypes for use in large-scale genetic discovery of Alzheimer's disease and related disorders. Our lab's research is focused on improving the diagnosis and monitoring of disease, enabling early detection, and understanding the contributions of early pathology to cognitive decline in human aging.

In addition to submitting your on-line CV, include a cover letter describing your prior experience with neuroimaging research.

**Duties include:**

- Identify and select usable data from subtle and complex data patterns. Assess and produce relevant, standard, or custom information (reports, charts, graphs and tables) from structured data sources by querying data repositories and generating the associated information.
- Design methods to validate data to ensure high quality product. Explore creative approach to using data based on technical expertise of available data. Distribute reports to applicable agencies, researchers, management and other internal end-users and provide interpretation of data when needed.
- Develop and produce dashboards, key performance indicators, and other recognized metrics used to monitor and report organizational performance. Collect and analyze metric data.

**Senior  
Bioinformatician**

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**Associate  
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Scientist (3  
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- Collect, manage and clean datasets using an extraction and reporting programming language to ensure data integrity.
  - Research and reconcile data discrepancies occurring among various information systems and reports.
  - Collaborate with data managers to define and implement data standards and common data elements for data collection.
  - Identify new sources of data and methods to improve data collection, analysis and reporting.
  - May test prototype software and participate in approval and release process for new software.
- \* - Other duties may also be assigned

### **DESIRED QUALIFICATIONS:**

- Previous hands-on experience with neuroimaging software (FSL, SPM, and/or FreeSurfer).
- Experience with Python, Matlab, and R.
- Experience with Linux and parallel processing of large neuroimaging datasets on high performance computing servers
- Excellent verbal and written communication skills.
- Ability to work independently and proactively, with good organizational skills.
- 2+ years of related experience in neuroimaging analysis.
- Ability to work under deadlines with general guidance.

### **EDUCATION & EXPERIENCE (REQUIRED):**

Bachelor's degree or a combination of education and relevant experience. Experience in a quantitative discipline such as economics, finance, statistics or engineering.

**KNOWLEDGE, SKILLS AND ABILITIES (REQUIRED):**

- Ability to manage multiple activities in a deadline-oriented environment; highly organized, flexible and rigorous attention to detail.
- Ability to use logic to calculate data; efficiently construct a database or scrutinize the form of a question.
- Ability to work with data of varying levels of quality and validity.
- Demonstrated ability to produce data in a clear and understandable manner meeting user requirements.
- Ability to work effectively with multiple internal and external customers.

**PHYSICAL REQUIREMENTS\*:**

- Constantly perform desk-based computer tasks.
- Frequently sit, sort, file paperwork or parts, grasp lightly, and use fine manipulation, lift, carry, push and pull objects that weigh 10 pounds or less.
- Occasionally write by hand, twist, bend, stoop and squat.
- Rarely stand, walk, reach or work above shoulders and use a telephone.

\* - Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job.

**WORKING CONDITIONS:**

May work extended hours during peak business cycles.

**WORK STANDARDS:**

- Interpersonal Skills: Demonstrates the ability to work well with Stanford colleagues and clients and with external organizations.
- Promote Culture of Safety: Demonstrates commitment to personal responsibility and value for safety; communicates safety concerns; uses and promotes safe behaviors based on training and lessons learned.
- Subject to and expected to comply with all applicable University policies and procedures, including but not limited to the personnel policies and other policies found in the University's Administrative Guide, <http://adminguide.stanford.edu/>.

As an organization that receives federal funding, Stanford University has a COVID-19 vaccination requirement that will apply to all university employees, including those working remotely in the United States and applicable subcontractors. To learn more about COVID policies and guidelines for Stanford University Staff, please visit <https://cardinalatwork.stanford.edu/working-stanford/covid-19/interim-policies/covid-19-surveillance-testing-policy>

# Hiring process

We're always looking for people who can bring new perspectives and life experiences to our team. Found the perfect role and ready to apply? Learn more on what to expect next.

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## Resources

- [FAQ](#)
- [LCA Notifications](#)
- [Disability and Diversity Services](#)
- [Veterans](#)
- [Jeanne Clery Act – Campus Safety Report](#)
- [Image Credit](#)

## Equal Opportunity

Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job.

Stanford is an equal employment opportunity and 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, protected veteran status, or any other characteristic protected by law.

# Stanford University

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