

Opportunity Title: National Secure Data Services (NSDS) Data Scientist Fellowship
Opportunity Reference Code: NSF-NCSES-2024-0005

Organization National Science Foundation (NSF)

Reference Code NSF-NCSES-2024-0005

How to Apply Click on *Apply now* to start your application.

Application Deadline 7/19/2024 11:59:00 PM Eastern Time Zone

Description The National Center for Science and Engineering Statistics (NCSES) — part of the National Science Foundation (NSF) — is the world’s premier source for data and information on the science and engineering enterprise. NCSES is one of only thirteen principal statistical agencies in the U.S. federal government. You will have the opportunity to independently utilize your skills and engage with experts in innovative ideas to move the proposed research forward. NCSES leads several cutting-edge research projects and initiatives that not only further its mission of collecting and disseminating objective information on the science and engineering enterprise, but also will provide you with an exclusive access to high quality data sets and experiences in data analysis, statistics, and more.

Are you looking for real world experience in cutting edge research from the world's premier source for data and information on the science and engineering enterprise? Do you want to learn from top researchers and subject matter experts in data analysis, statistics, economics, science policy, research and more? Do you want to develop skills within and outside of your field of study and interest and earn a competitive edge? Do you want to network with your peers, travel, and participate in educational events?

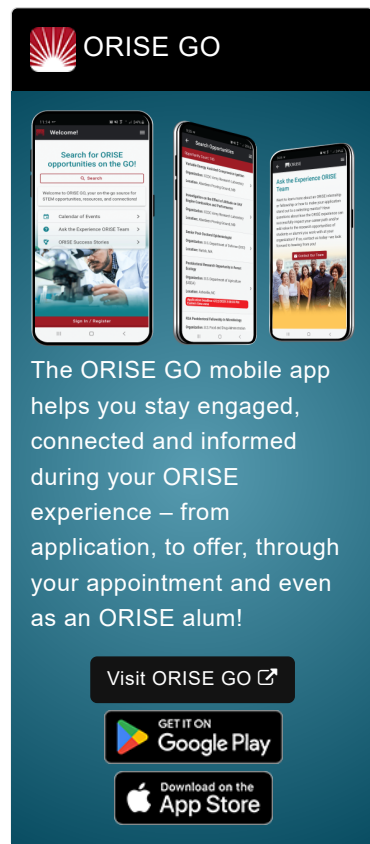
If you answered yes to any of these questions, then the NCSES Research Ambassadors Program is for you!

For more information about NSF-NCSES, please visit <https://ncses.nsf.gov/>.

Questions about this opportunity should be directed to NSF-NCSES@orise.ornl.gov.

Project Description

Under direction from a mentor, this ORISE Fellow will learn about the National Secure Data Service (NSDS) Demonstration Project and its associated data linking and analytical activities. Linking data is a powerful and efficient mechanism for producing policy-relevant information. The ORISE Fellow will directly participate in projects implementing privacy preserving record linkage (PPRL), synthetic data creation, and noise infusion. The ORISE fellow will participate in the projects by programming in SAS, Python and/or R, to clean and standardize data, and by preparing files for linkage, and overall data management. The ORISE Fellow will learn about data quality assessments and analysis of linked and synthetic datasets via programming and analytic skills. The ORISE Fellow will collaborate on projects that inform the establishment of a data linkage program at NCSES.



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Location

This is a remote opportunity.

Participant Benefits

Participants will receive a stipend to be determined by NCSES. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement. Participants are eligible to purchase health insurance through ORISE.
- Training and Travel allowance for professional development.

Duration

This is a 12-month appointment and can be extended for a total period of five years based on performance and need. **Note:** The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, NSF, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications

- Strong Data Science background (with programming skills).
- Ability to participate in a secure data enclave.
- Data cleaning/data standardization/analysis/testing/reviewing.
- PPRL (SAS/Python)/ synthetic data (R)/noise infusion projects).
- Experience developing data tools and other resources.
- Ability to collaborate effectively with colleagues and team members.
- Demonstrated capacity to participate in a positive and supportive learning environment.
- Capability to participate autonomously and take initiative in completing projects.
- Exhibit a high level of professionalism in all interactions, including communication, appearance, and conduct.
- Strong attention to detail.
- Ability to critically analyze and evaluate complex information, data, and situations to make informed decisions and recommendations.
- Proficiency in written communication, including the capacity to convey ideas, findings, and recommendations clearly and effectively through various written formats.
- Strong research capabilities, including the ability to gather, synthesize, and interpret information from diverse sources to support evidence-based decision-making.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 9/30/2024 12:00:00 AM.

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- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#) 👁)
 - **Life Health and Medical Sciences** ([1](#) 👁)
 - **Mathematics and Statistics** ([11](#) 👁)
 - **Social and Behavioral Sciences** ([3](#) 👁)
- **Age:** Must be 18 years of age