Join Office of Evaluation Sciences Methods Team
Enable agencies to build and use evidence to better serve the public

Based at the General Services Administration (GSA), the Office of Evaluation Sciences (OES) is a team of interdisciplinary experts that works across the federal government to help agencies build and use evidence. OES provides governmentwide expertise and support on leading practices for evidence-building and evaluation, and partners with federal agencies to answer priority questions using rapid and rigorous evaluation. The work and role of OES is unique and includes directly designing, implementing, and analyzing evaluations in a large-scale federal policy environment. OES applies promising interventions at a national scale, reaches millions of people, and works closely with key decision makers in government. Our portfolio has spanned priority areas such as retirement security, reducing the cost of government operations, improving public health outcomes, and increasing educational opportunity. To date, OES has completed over 90 impact evaluations with dozens of agency partners.

OES follows the best practices in social science research and is a leader in transparency and accountability. The Methods Team is central to the rigor, quality and reliability of OES' work and results, providing statistical and methodological support to the OES team as well as resources and trainings on leading evaluation practices. The Methods Team contributes to research designs and analysis plans, conducts independent replications of analyses, crafts guidance on methodological issues, develops and conducts trainings, and represents OES through presentations and academic publications.

Position Details
The OES Data Scientist serves on the Methods Team and supports the OES team in cleaning, analyzing and interpreting data. The Data Scientist will play a key role contributing to the rigor and quality of the OES evaluation portfolio. The Data Scientist will directly support high priority evaluations and descriptive studies, cleaning, coding, merging and analyzing large and complex administrative data sets. The Data Scientist will be part of the small team of experts in the design and statistical analysis of randomized and quasi-experimental evaluations. The Data Scientist will spend a vast majority of time on technical data cleaning and analysis tasks.

All OES positions will be remote and location flexible within the United States. The Data Scientist will serve at least a 12 month term, with interest and availability to serve additional years preferred. OES is eager to fill this position on a full time basis by September 2022 or sooner. OES will explore opportunities to fill this position via Intergovernmental Personnel Act Agreements.

Applicants may apply by emailing oes@gsa.gov with their resume and cover letter **by May 8, 2022 at 11:59pm ET**. Please include a resume and cover letter that describes your experience processing and analyzing datasets, as well as your level of experience using statistical software. Selected candidates will be invited to complete a data exercise and finalists will be invited for a set of interviews.

Specific Responsibilities

The Data Scientist position will support a variety of OES evaluations. The primary responsibilities include:

- **OES Analysis Support (70%)**
  - Preparing and cleaning data
  - Conducting statistical analyses
  - Reviewing cleaning and analysis code
  - Maintaining and updating code repositories
  - Recording analytical methods and results
  - Collaborating with team members to diagnose and resolve any discrepancies with initial analyses
  - Advise on written and graphical presentation of results
  - Contribute to written guidance on methodological/statistical issues that arise repeatedly in the course of OES projects
  - Develop training materials and provide trainings for OES team members on selected experimental or statistical methods
- **Data Sharing and Security (10%)**
  - Assist with management of team data repository
  - Support and strengthen data sharing processes and systems
- **OES Evaluation Delivery (20% FTE)**
  - Support at least 1 rigorous evaluation with actionable findings
  - Contribute to publications in academic and other outlets, potentially including papers on individual projects and papers that synthesize or summarize OES work over multiple projects

Applicant Profile

OES is recruiting for the OES Data Scientist role to serve in a full time capacity starting September 2022 or sooner. They should possess the following skills:

- Significant experience analyzing data from randomized evaluations, including estimating treatment effects using regression models and appropriately accounting for blocking, clustering, and multiple hypothesis testing.
- Fluency analyzing randomized and quasi-experimental evaluations in either R or Stata, with R being strongly preferred. Fluency in both R and Stata, or another analysis software such as Python, is a plus.
- Experience cleaning and merging complex and incomplete datasets.
- The ability to continually track large numbers of projects and tasks and to juggle multiple competing priorities in a fast-paced environment.
- Ability to communicate statistical results to diverse audiences, both in text and in graphical form.

Preferred qualifications include one or more of the following:
- Familiarity with pre-registering analytical plans prior to conducting analyses.
- Experience managing multiple datasets across different projects.

- Familiarity with the use of machine learning algorithms such as random forests and/or regression trees.
- Experience establishing causality from quasi-experimental or observational datasets.

For more information and questions, please contact: OES (oes@gsa.gov).