



Title 21 Vacancy Announcement
Department of Health and Human Services (HHS)
Food and Drug Administration (FDA)
Center for Devices and Radiological Health (CDRH)
Office of Strategic Partnerships and Technology Innovation (OST)
Immediate Office (IO)

Application Period: July 11, 2024 – August 10, 2024

Area of Consideration: United States Citizenship is required. You must be a U.S. Citizen or U.S. National. Foreign nationals or legal permanent residents are not eligible for consideration.

Position: Data Scientist

Series: 0301

Location(s): Remote

Salary: Salary is commensurate with education and experience and starts at \$139,395.00

Work Schedule: Full-Time

Title 21 Pay Table & Band: Pay Table 2 & Band D

Full Performance Band Level: Band D

Travel Requirements: This position requires less than 25% of travel

Supervisory: No

Bargaining Unit: 3591

This position is being filled under a stream-lined hiring authority, Title 21, Section 3072 of the 21st Century Cures Act. The candidate selected for this position will serve under a career or career-conditional appointment and be paid under the provisions of this authority.

Additional information on 21st Century Cures Act can be found here:

[**21st Century Cures Act Information**](#)

Introduction

The Food and Drug Administration (FDA or Agency) is the regulatory, scientific, public health and consumer protection agency responsible for ensuring all human and animal drugs, medical devices, cosmetics, foods, food additives, drugs and medicated feeds for food producing animals, tobacco and radiation emitting devices safe, and effective.

The mission of the Center for Devices and Radiological Health ([CDRH or Center](#)) is to protect and promote the public health by performing essential public health tasks by making sure that medical devices and radiological health products are safe for people in the United States. The Office of Strategic Partnerships and Technology Innovation ([OST or Super Office](#)) provides

leadership for all scientific collaborative and emerging technology related activities at CDRH. We represent CDRH with a broad and diverse array of national and international entities including other government agencies, Congress, industry, academia, consumer and patient organizations, and healthcare professional organizations, with mutual interests in medical devices and radiation-emitting products.

Duties/Responsibilities

The Data Scientist will play a pivotal role in leading, planning, executing, and delivering analytical projects, including, but not limited to, data exploration and preparation, and business intelligence analyses within the Center. The incumbent will collect and document data analysis requirements and will focus on data integration and reporting-intensive initiatives. This individual will build and maintain strong relationships with business partners of all levels across the Center, while supporting the analytic capabilities within the Center. The Data Scientist serves as a recognized authority on data analytics, data visualizations and creating custom tailored predictive models. They will oversee the design, development and implementation of new data analytic and data science systems and deliver high-quality analytic solutions.

Additionally, the incumbent provides statistical analysis, predictive modeling, and customer analytics and will serve as an authority in all these topics across the Center. They will advise the Center at all levels of projects and resultants and ensure the reconciliation to organizational goals writ large.

This individual will lead projects and collaborate across all stakeholders to understand information needs and will be responsible for scoping and managing relevant data science and analytics projects. The Data Scientist will identify key performance indicators (KPI's) associated with each analysis and project which indicate success. Applies statistical analysis and visualization techniques to both structured and unstructured data as needed. Applies various advanced analytic techniques to perform classification and/or prediction tasks. The incumbent will integrate domain knowledge into all advanced analytics, business intelligence or statistical analyses. The incumbent analyzes and makes recommendations for improvements to leadership regarding the best solutions regarding these factors.

The Data Scientist will identify and aggregate data from internal and external sources to fortify analyses. This individual will lead and guide solution design to meet data and integration and business requirements and enhance business value. Coordinates with data owners to ensure data accessibility and quality and mitigate quality concerns of data through data manipulation methods.

The individual will have experience with distributed management and analytics in Oracle, cloud and hybrid environments and will be able to incorporate that knowledge into actionable

results. The incumbent will be able to execute upon multiple data access and analytics approaches. This individual is responsible for creating actionable and usable information from metamodels, taxonomies and ontologies into the data structures and analyses. Responsible for architecting, designing, and developing reporting dashboards using a variety of analytic tools, including Oracle Business Intelligence Enterprise Edition (OBIEE), SAS Viya and Tableau.

The Data Scientist will communicate and articulate underlying data science, business intelligence and analysis information to various audiences of all levels across the Center. They will be able to interpret information and derive insights from analytic and business intelligence resultants and translate them for larger audiences across the Center. The incumbent will demonstrate the ability to collaborate across the Center and engage with technical, business and data stakeholders and leaders. They will also provide subject matter expertise regarding any liabilities, risks or challenges and provide guidance and recommendations regarding mitigation strategies and compensating controls.

Conditions of Employment

- U.S. Citizenship requirement or proof of being a U.S. National must be met by closing date.
- Employment is subject to the successful completion of a background investigation, verification of qualifications, completion of onboarding forms, submission of required documents, and any other job-related requirement before or after appointment.
- Applicants must meet all qualification requirements by the closing date of this announcement.
- Direct Deposit: You will be required to have all federal salary payments electronically deposited into a bank account with a financial institution of your choice.
- FDA participates in e-Verify: All new hires must complete the I-9 form; this information will be processed through e-Verify to determine your employment eligibility. If a discrepancy arises, you must take affirmative steps to resolve the matter.
- Males born after December 31, 1959, must be registered with the Selective Service.
- One-year supervisory probationary period may be required.
- Financial Disclosure may be required.
- Ethics Clearance may be required.
- Background Investigation/Security Clearance is required. All employees must pass a security investigation. Failing to pass the background check may be grounds for removal or legal action. If hired, you may be subject to additional investigations at a later time.

Qualifications

To be placed into a Cures position, candidates must meet the following criteria:

1. Scientific, Technical, and Professional Fields
2. Qualified and Outstanding Candidates

- a. **Qualified** applies to all candidates for Cures appointments. The FDA OTS will use the basic requirements defined in the [OPM Qualification Standards](#) as a baseline for comparing experience levels and other candidate attributes for relevant positions.
- b. **Outstanding** candidates can be defined by existing outstanding work experience, outstanding performance rating, or both.

In order to qualify for this Title 21 Cures position, the candidate(s) must meet the following **required** qualifications. *Please note: Additional education and experience listed that is not indicated as required is preferable and desired. Candidates who do not meet the “desired” criteria will not be excluded from consideration for this position.*

Position’s Education Requirements: A bachelor’s degree or higher in mathematics, statistics, computer science, informatics, data science, engineering, operations research, bioinformatics, economics, public health, computational biology, physics, or related scientific or technical field. The degree must be from an accredited program or institution.

OR

Experience: Comparable work in or demonstrated understanding in data science or a related field (through portfolios, certifications, etc.).

Position’s Desired Skills:

- Ability to lead, design, build, and deploy analytic solutions that utilize Business Intelligence, Analytics and Statistical methodologies.
- Expert knowledge of analytic tools, including Oracle Business Intelligence Enterprise Edition (OBIEE).
- Strong knowledge of business intelligence tools such as Tableau, SAS Viya, and/or Pyramid Analytics.
- Expert knowledge of data analytic and science languages such as SQL, R, Python, and/or SAS.
- Strong knowledge of Oracle databases.
- Ability to translate data resultants into visual and graphical representations.
- Ability to pre-process, analyze, and interpret both structured data.
- Expert knowledge and experience in statistical and data visualization techniques.
- Ability to collaborate within and across teams with varying levels of technical knowledge to support delivery and educate end users on analytic products.
- Expert problem-solving skills, including debugging skills, allowing the determination of sources of issues in unfamiliar code or systems, and the ability to recognize and automate repetitive problems.

- Strong business acumen and interpersonal skills; able to work across business lines at a senior level to influence and effect change to achieve common goals.
- Ability and desire to regularly learn and adopt new technologies and methodologies into their work; must be self-driven, curious, and creative.
- Strong written and verbal communication skills.

Education Transcripts

SUBMITTING YOUR TRANSCRIPTS: Positions which are scientific or technical in nature often have very specific educational requirements. A transcript is required to verify educational achievement. Pay careful attention to the Qualifications and Education sections to identify vacancies where a transcript is required. Even if you hold a similar position or are a current FDA employee, you are not exempt from transcript requirements.

FOREIGN EDUCATION: If you are using education completed in foreign colleges or universities to meet the qualification requirements, you must show that the education credentials have been evaluated by a private organization that specializes in interpretation of foreign education programs and such education has been deemed equivalent to that gained in an accredited U.S. education program; or full credit has been given for the courses at a U.S. accredited college or university. For more information about this requirement, please visit the [U.S. Department of Education website for Foreign Education Evaluation](#).

Security Clearance Requirements

Background Investigation/Security Clearance Requirements: Public Trust/Moderate Risk

Ethics Clearance Requirements

This position may require financial disclosure reporting and will be subject to FDA's prohibited financial interest regulation. If you are hired, you may be required to divest of certain financial interests. You are advised to seek additional information on this requirement from the hiring official before accepting any job offers. For more information, please visit the FDA Ethics web page: <https://www.fda.gov/about-fda/jobs-and-training-fda/ethics>.

Equal Employment Opportunity

Equal Employment Opportunity Policy

The United States Government does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor. [Equal Employment Opportunity \(EEO\) for federal employees & job applicants](#)

Reasonable Accommodation

Reasonable Accommodation Policy

Federal agencies must provide reasonable accommodation to applicants with disabilities where appropriate. Applicants requiring reasonable accommodation for any part of the application process should follow the instructions in the job opportunity announcement. For any part of the remaining hiring process, applicants should contact the hiring agency directly. Determinations on requests for reasonable accommodation will be made on a case-by-case basis. A reasonable accommodation is any change to a job, the work environment, or the way things are usually done that enables an individual with a disability to apply for a job, perform job duties or receive equal access to job benefits. Under the Rehabilitation Act of 1973, federal agencies must provide reasonable accommodations when: An applicant with a disability needs an accommodation to have an equal opportunity to apply for a job. An employee with a disability needs an accommodation to perform the essential job duties or to gain access to the workplace. An employee with a disability needs an accommodation to receive equal access to benefits, such as details, training, and office-sponsored events. You can request a reasonable accommodation at any time during the application or hiring process or while on the job. Requests are considered on a case-by-case basis. Learn more about [disability employment and reasonable accommodations](#) or [how to contact an agency](#).

E-Verify

The Food and Drug Administration participates in the USCIS Electronic Employment Eligibility Verification Program (E-Verify). E-Verify helps employers determine employment eligibility of new hires and the validity of their Social Security numbers.

How to Apply

Submit resume or curriculum vitae, with cover letter and transcripts by **August 10, 2024**, to: CDRHRecruitment@fda.hhs.gov. Candidate resumes may be shared with hiring official within the Center for Devices and Radiological Health with a similar job vacancy. Candidates can opt out of this process by annotating resume with “do not share”. Please reference Job Reference ID: **CDRH/OST/IO Data Scientist Band D PBM-5506**

Announcement Contact

For questions regarding this Cures position, please contact CDRHRecruitment@fda.hhs.gov.

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FDA is an equal opportunity employer.

