Job Title	Data Scientist
PVN ID	JJ-2004-003578
Category	Research
Location	JOHN JAY COLLEGE OF CRIMINAL JUSTICE
Department	Research
Status	Full Time
Annual Salary	$65,000.00 - $85,000.00
Hour(s) a Week	35
Closing Date	Aug 18, 2020 (Or Until Filled)

General Description

The Research and Evaluation Center of John Jay College of Criminal Justice (JohnJayREC) is an applied research organization established in 1975. We respond to the needs of justice practitioners locally, nationally, and internationally. The Research and Evaluation Center is part of John Jay College of Criminal Justice and the City University of New York. Since 2010, the Center has worked on projects with combined budgets in excess of $40 Million. Staff members of the Center assist public and private agencies by conducting studies of crime prevention strategies, the effectiveness of justice interventions, and efforts to improve the impact and efficiency of justice system operations. At any given time, staff members may be involved in several individual projects designed to discover, test, and improve programs and policies related to the justice system.

JohnJayREC seeks a Data Scientist/Database Manager to oversee data processes for Center projects. This person will be responsible for creating innovative and effective data analytic processes, efficient data workflow, and thorough documentation of data-related tasks. The person in this position will work under the direction of the Center's Deputy Director for Analytics with oversight of the Center Director. In collaboration with the Deputy and Director of the Center, the successful applicant will participate in planning research activities, collecting, analyzing and interpreting data and will serve as a co-author on academic publications arising from the research. The successful applicant may also assist in directing the work of other research staff.

The anticipated term of the appointment is June 2020 through June 2021.

Other Duties

- Work as a member of research teams to identify and answer important research questions
- Become familiar with all Center data-related projects

- Acquire a strong understanding of research topics and a thorough knowledge of the data and programming efforts involved
- Answer research questions by using appropriate data analytic techniques
- Drive the collection of new data and the refinement of existing data sources
- Establish and implement a respectable data quality process
- Clean and prepare data files
- Prepare and deliver written and verbal presentations as needed
- Communicate findings to both technical and non-technical staff
- Assist other Center staff with a variety of data analysis methods
- Attend project meetings with other staff and external funders
- Address client feedback in a timely manner
- Perform other related duties as needed

Qualifications

- Experienced data manager and analyst
- Familiar with programing languages (e.g., R, Python)
- Knowledge of statistical & GIS programs (e.g.,, R, Stata, Python, QGis)
- Ability to manipulate large data sets
- Experience with learning, artificial intelligence, and data mining
- Comfort manipulating and analyzing complex, high-volume, high-dimensionality data from varying sources
- A strong passion for empirical research and for answering hard questions using quantitative methods
- A flexible analytic approach that allows for results at varying levels of precision
- The successful candidate will be a highly motivated self-starter with the ability to solve data analysis problems independently
- Ability to communicate complex quantitative analysis in a clear, precise, and actionable manner
- Experience with data repository hosting services like Github
- Creative problem solver with the ability to self-teach
- Well-organized, deadline driven, goal oriented, highly motivated.
- Effective time manager and team leader
- Passionate about social justice
- Driven by curiosity and a desire to always improve and do better
- Bachelor's degree and at least 5 years of relevant experience