Build a career while building a better community. Rewarding careers in Public Service start here!

SENIOR DATA SCIENTIST

New York State Homes and Community Renewal (HCR) fosters the creation and preservation of high-quality affordable housing, while working strategically to revitalize neighborhoods and communities throughout the Empire State. Under the leadership of Governor Kathy Hochul and Commissioner RuthAnne Visnauskas, *HCR* is a vibrant, innovative agency that integrates and leverages New York State's housing resources. We have offices in New York City, Albany, Buffalo, and Syracuse, and employ a diverse workforce of professionals who are hard-working and committed to serving low- and moderate-income families. Our mission is far reaching, encompassing single and multifamily housing finance, home improvement, rent regulation, housing subsidies, and community development. We partner regularly with a variety of public and private stakeholders.

Achieving this mission requires a wide range of skills and backgrounds in public policy, administration, real estate, architecture, finance, law, and many other areas of expertise. We seek to provide a workplace environment that is productive, flexible, accountable, ethical, and caring. Our employees are empowered to make a difference where they live and work. We offer competitive pay and a comprehensive benefits package, including paid leave, health, dental, vision, retirement, and family-friendly policies.

The **Office of Research and Strategic Analysis (ORSA) team** provides support to HCR's executive and program leadership in the areas of strategic planning, policy analysis and development, program and organizational performance, reporting, performance measurement, and decision-making. Using quantitative analytical research methods and strategies, the team aims to answers questions that are critical to the success of the organization and component programs and offices.

Job Summary
The Senior Data Scientist is responsible for ensuring that proprietary, programmatic, and publicly available data is consistently, imaginatively, and effectively used to drive decision-making throughout the agency. Reporting to the Director of the Office of Research and Strategic Analysis, the Senior Data Scientist is accountable for supporting management in developing ad hoc and ongoing analyses that are accurate and timely. This position will have a primary focus on applying data mining techniques, statistical analyses, and building high quality prediction systems integrated with the agency's workflow and needs. The Senior Data Scientist will be central to helping the executive leadership effectively utilize and integrate data to drive program quality. The incumbent will also manage analysts while coordinating with outside researchers and other stakeholders to build a body of knowledge about the impacts of HCR's programs and funding on New York State residents and communities. The Senior Data Scientist will be a central coordinator for the public presentation of data about housing and community renewal efforts statewide.

Duties and Responsibilities include, but are not limited to:
- Supervision of quantitative staff.
- Data mining using state-of-the-art methods.
- Combining agency programmatic data with third party sources of information when required.
- Enhancing data collection procedures to include information that is relevant for building analytic systems.
- Processing, cleaning, and verifying the integrity of data used for analysis.
- Doing ad-hoc analysis and presenting results in a clear manner.
- Lead in managing a team of analysts in the development and maintenance of ad hoc and long-term data analysis to support program operations.
- Coordinate with the Policy Office, Public Information Office, executive leadership and programmatic leaders and staff in the presentation of data internally, to stakeholders, and to the public.

Requirements:
- Must be a NY State resident or able to relocate to NYS.
- Master's degree in public administration, economics, finance, business, statistics, data science, or a related field.
- A minimum of 5 years' experience in a quantitative role.
- Demonstrated experience with qualitative and quantitative research designs and statistical analysis techniques, with proficiency in skills such as distributions, statistical testing, regression, etc.
- Excellent oral and written communication skills.
- Exceptional problem-solving abilities.
- Ability to synthesize information while showing an exceptional ability to use data to make decisions quickly and clearly.
- Experience with statistical or data science packages such as R and familiarity with geospatial tools such as ArcGIS.
- Proficiency using query languages such as SQL; good scripting and programming skills.
- Expertise in the use of Microsoft Office products, specifically Excel and Access.
- Ability to work in a flexible, fast paced, mission driven environment.

This job description is not intended to be all inclusive and employee will be expected to perform other reasonably related duties as assigned.

WHAT WE OFFER:
- Extensive benefits package including paid leave, excellent health, dental, vision and retirement benefits;
- Exciting opportunity to be part of New York's resurgence to greatness;
- Promotional opportunities for dedicated professionals.

Job Opportunities at New York State Homes and Community Renewal

All internal SONYMA/HFA/AHC employees (only) are directed to apply via
internalcandidates@hcr.ny.gov
Please Include your name in the subject line
Applicants must include resume and cover letter

TO APPLY, CLICK HERE
Applicants must include resume and cover letter
New York State is an Equal Opportunity Employer
(EOE)