About the National Institute of Urban Affairs (NIUA):

Established in 1976, the National Institute of Urban Affairs (NIUA) is a premier institute of the Ministry of Housing and Urban Affairs, Government of India, for research and capacity building for the urban sector in India. NIUA’s broad objective is to bridge the gap between research and practice on issues related to urbanization. For more than 40 years now, NIUA has been the vanguard for contributing to and building the urban narrative for a fast-evolving urban India.

The Institute has been actively working on bringing forth key areas of concern for urban India in order to build the urban discourse at various urban scales. It has utilized its competencies in research, knowledge management, policy advocacy, and capacity building to address urban challenges and continuously strive to develop sustainable, inclusive, and productive urban ecosystems in the country. It has emerged as a thought leader and knowledge hub for urban development in India and is sought out by both Indian and international organizations for collaborations and partnerships in India’s urban transformation journey. NIUA is committed to aligning its efforts toward achieving Sustainable Development Goals (SDGs) through all its initiatives and programs.

About the project:

To implement Data-Smart Cities Strategy at the National level. It constitutes relevant experts in policy framework, data science, data analytics, communications, and other relevant fields. To be instrumental in institutionalizing the data culture in cities and other tasks for strategy implementation such as conceptualization and development of data platforms, capacity building of city officials through workshops and guidebooks, enhancement of datasets and blogs on the Open Data Portal, design and execution of the Data Maturity Assessment Framework across all 100 Smart Cities, advocacy of data initiatives, etc.
Job Description:

We are looking for an Urban Data Analyst who will support our in-house team with the collection, processing, and analysis of data being aggregated from varied sources. The ideal candidate is adept at using large data sets to find opportunities for product and process optimization and using models to test the effectiveness of different courses of action. S/he must have strong experience using a variety of data mining/data analysis methods, using a variety of data tools, building and implementing models, using/creating algorithms, and creating/running simulations. S/he must have a proven ability to drive business results with their data-based insights. S/he must be comfortable working with a wide range of stakeholders and functional teams. The right candidate will have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes.

Responsibilities for Urban Data Analyst:

- Work with stakeholders throughout the organization to identify opportunities for leveraging the organization & databases to drive business solutions.
- Write programs to cleanse and integrate data in an efficient and reusable manner.
- Mine and analyse data from the organization & databases to drive optimization and improvement of product development, marketing techniques, and business strategies.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques.
- Work in an agile, collaborative environment, partnering with other scientists, engineers, consultants and database administrators of all backgrounds and disciplines to bring analytical rigor and statistical methods to the challenges of predicting behaviours.
- Communicate with internal and external clients to understand and define business needs and appropriate modelling techniques to provide analytical solutions.
- Develop custom data models and algorithms to apply to data sets.
Use predictive modelling to increase and optimise experiences, revenue generation and other organizational outcomes.

Develop organization’s A/B testing framework and test model quality.

Coordinate with different functional teams to implement models and monitor outcomes.

Develop processes and tools to monitor and analyze model performance and data accuracy.

**Qualification and Work Experience:**

- Master’s or PhD in Statistics, Mathematics, Computer Science, Computational and Data Science or any quantitative field
- 2 to 4 years of work experience in a role related to data science

**Skills Required:**

The candidate must possess the following minimum skills:

- Strong technical and analytical abilities, a knack for driving impact and growth, and experience with programming / scripting in a language such as R and Python
- Knowledge of a variety of statistical techniques (clustering, decision tree learning, artificial neural networks, etc.) and their real-world advantages/drawbacks
- Knowledge of advanced statistical techniques and concepts (regression, properties of distributions, statistical tests and proper usage, etc.) and experience with applications
- Basic understanding of statistical programming in a language such as R, Python, or MATLAB
- Strong understanding and experience in the urban sector is preferred
- Basic understanding of Geographic Information Systems (GIS)
- Excellent verbal and written communication skills
- Ability to look at things differently, debug, troubleshoot, design and implement solutions to complex technical issues
Experience working with and creating data architectures

Basic understanding of Cloud (AWS, Azure, etc.)

Interest in, understanding of, or experience with Design Thinking and Agile Development Methodologies.

A drive to learn and master new technologies and techniques

Location of Work:
National Institute of Urban Affairs, New Delhi

Number of Positions:
1

References:
Name and contact information of two references to be included in the CV.

Remuneration and Experience Certificate:
Remuneration will be commensurate as per NIUA standards within the range of 70k-1lac per month. In case the candidate leaves before completion of the contract period or without handing over all work assigned by the team leader, he/she will not receive any work certificate.

Application Process:
Submit CV and cover letter through NIUA portal.

We are seeking talented individuals, required in upcoming new projects hence the recruitment process shall begin at a later stage

Last Date of Application:
6 July, 2022