

Job Title - Data Scientist (position - 1)

Location: New Delhi

Duration: 1 year

NIUA is looking for a Data Scientist who will support the 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. They 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. They must have a proven ability to drive business results with their data-based insights. They 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.

Key Responsibilities:

- Work with stakeholders throughout the organization to identify opportunities for leveraging data to drive business solutions.
- Write programs to cleanse and integrate data in an efficient and reusable manner. Mine and analyze data from 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 and implementing various statistical and machine learning techniques for robust analytics.
- 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 behaviors.
- Communicate with internal and external clients to understand and define business needs and appropriate modeling techniques to provide analytical solutions.
- Develop 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.

Required Technical and Professional Expertise

- Ability to look at things differently, debug, troubleshoot, design and implement solutions to complex technical issues.
- Strong technical and analytical abilities, a knack for driving impact and growth, and experience with programming/scripting in a language such as Java or Python.
- Experience working with and creating data architectures.
- Knowledge of a variety of machine learning 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.
- Basic understanding of Cloud (AWS, Azure, etc.).
- Excellent verbal and written communication skills.
- Work or internship experience using data science tools in a corporate environment.
- Interest in, understanding of, or experience with Design Thinking and Agile Development Methodologies.
- A drive to learn and master new technologies and techniques.

Required Qualification, Experience and Competencies

We're looking for someone with 5-7 years of experience manipulating data sets and building statistical models, with a minimum of Master's in Statistics, Mathematics, Computer Science, Data Science or any other related quantitative field, and is familiar with the following software/tools:

- Coding knowledge and experience with several languages: C, C++, Java, JavaScript, etc.
- Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.
- Experience querying databases and using statistical computer languages: R, Python, SLQ, etc.
- Experience using web services: Redshift, S3, Spark, DigitalOcean, etc.
- Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis, modeling, clustering, decision trees, neural networks, etc.
- Experience analyzing data from 3rd party providers: Google Analytics, Site Catalyst, Coremetrics, Adwords, Crimson Hexagon, Facebook Insights, etc.
- Experience with distributed data/computing tools: Map/Reduce, Hadoop, Hive, Spark, Gurobi, MySQL, etc.
- Experience visualizing/presenting data for stakeholders using: Periscope, Business Objects, D3, ggplot, etc.

Term of position: The position is on a contractual basis from **June 2022 to June 2023**, which may be further extended subject to performance and program timelines

Remuneration: Based on current salary, skills and experiences. Salary slips of past 3 months will be required if shortlisted for the interview round.

Application Deadline: May 21, 2022 (Saturday) EOD

Interested Applicants may send in their CVs to procurement@niua.org