Function: Program Management

Family: Enterprise Business Intelligence

Job Title: Senior Data Scientist Data Scientist 3

Job Abbreviation: [To be Completed by Compensation Team]

Hierarchy Group: Professional

Hierarchy Level: Professional 3

FLSA Status: [To be completed by Compensation Team]

Summary:

Responsible for leveraging internal and external data to provide insights and information which supports a facts-based decision making process. Provides input into strategy, analysis methods, and tool selection. Works independently with minimal-to-no supervision while also demonstrating the ability to lead projects and initiatives autonomously.

Responsible for leveraging internal and external data to provide insights and information which supports a facts-based decision making process. Provides input into strategy, analysis methods, and tool selection.

Responsible for leveraging internal and external data to provide insights and information to enable the optimal facts-based decision making process. You will provide input into strategy, analysis methods, and tool selection. Your work will revolve around understanding complex businesses, large and complex data manipulation, model building, model validation, model implementation and ensuring all model documentation provides full model transparency.

Core Responsibilities:

- Lead projects independently. Develops and executes statistical and mathematical solutions to business problems. Frames problem, develop roadmap, then communicates intended approach and quantitative methods to develop solution.
- May serve as a team leader within a work group or on cross-functional teams. Mentors and train junior team members.
- Improve products and services or solve problems using best practice and knowledge of internal and or external business issues.
- Works independently most of the time with little or no supervision; receives general direction; independently determines and develops approaches to solutions
- Uses analytical rigor and statistical methods to analyze large amounts of data, extracting actionable insights using advanced statistical techniques such as data analysis, data mining, optimization tools, and machine learning techniques and statistics (e.g., predictive models, LTV, propensity models). Interprets problems and provide solutions to business problems using data analysis, data mining, optimization tools, and machine learning techniques and statistics (e.g., predictive models, LTV, propensity models).

- Produce analysis of historical patterns in customer behaviors and product performance from complex real-world behavioral data.
- Works on into large, noisy, and complex real-world behavioral data to produce innovative analysis of historical patterns in customer behaviors and product performance with minimal supervision
- May serve as a team leader within a work group or on cross-functional teams. Mentors and train junior team members.
- Build customer centric models and optimization tools to support large scale projects that utilize online & offline data, structured & unstructured data, set top box data, and media/behavioral/attitudinal data.
- May lead large scale projects that utilize online & offline data, structured & unstructured data, set top box data (media/behavioral/attitudinal) to build customer centric models and optimization tools.
- Improve products and services or solve problems using best practice and knowledge of internal and or external business issues. Develop and deploy predictive models based on historical data that provide future predictions about customer behavior.
- Constructs forecasts, recommendations and strategic/tactical plans based on applying data science techniques to business data. to improve products, services or in solving complex problems

Education Level: Master's degree required. PhD preferred

Field of Study: Quantitative fields such as Economics, Statistics, Mathematics, Decision Science, Operational Research, Computer Science, or Engineering or related field.

Certifications:

Years of Experience: Generally requires 3-6, 5-8 years related experience.

Skills:

- PhD preferred
- Intermediate to Expert level proficiency with statistical probabilistic modeling techniques such as regression, decision trees, neural networks, support vector machines, clustering techniques, etc.
- Advanced skills in developing statistical targeting models using at least 2 of the following tools - SAS, R, KNIME, SPSS, Python, Rapid Miner, Weka, MATLAB, Statistica, KXEN, Bayesia, etc.
- Experience working within enterprise data warehouse environments platforms (Teradata, Netezza, Oracle, etc.) and working within distributed computing platforms such as Hadoop and associated technologies such as MapReduce, Spark, Storm, Yarn, Kafka, Sqoop and Hive
- Proficient Expert in at least 1 scripting and/or programming language such as Scala, Julia, C#, Python, Perl, Java, C++

Compliance: Bluewhale is an EEO/AA/Drug Free Workplace.

Disclaimer: The above information has been designed to indicate the general nature and level of work performed by employees in this role. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications.