Function: Program Management

Family: Enterprise Business Intelligence

Job Title: Lead Data Scientist Data Scientist 4

Job Abbreviation: [To be Completed by Compensation Team]

Hierarchy Group: Professional

Hierarchy Level: Professional 4

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. Acts as a key contributor in a complex and crucial environment. May lead teams or projects and shares expertise.

Responsible for leveraging internal and external data to provide insights and information to enable the optimal facts-based decision making process. You will provide leadership and 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. Responsible for building and refining predictive and descriptive statistical models to improve insights, enhance data-driven business strategies, and drive improved profitability

Core Responsibilities:

- Functions independently, working under consultative direction toward predetermined long-range objectives. Determines and pursues course of action necessary to achieve results
- Lead a small group of less experienced team members on analytical projects or on cross-functional teams. Frequently serves as team lead on multiple projects, mentor and train junior team members.
- Review and approve methodologies used for of advanced analysis projects (predictive models, clustering/segmentation, etc) for validity among by junior team members and others.
- Runs larger, more Leads complex projects that involve using wide breadth of data sciences and advanced analysis techniques; documents clearly;.
- Streamlines Manages the review, revision and maintenance of existing internal procedures to ensure quality and efficiency. processes, delegates tasks, and represents team in project meetings.
- Determine appropriate methods, prove viability of selected method and educate internal teams as to the analytical foundation. Create, document, and present methods for data analysis to internal team.

- 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)
- Runs larger, more complex projects; documents clearly; refines group process, delegates tasks, represents team on a project calls. Use best practice and knowledge of internal and or external business issues to improve products, services or in solving complex problems
- Shares data with team. Makes themselves replaceable. Does not develop silo views. Is able to communicate/collaborate with internal and external contacts/vendors; understands context of work outside function
- Leads 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.
- Has a good understanding of overall business, including financial acumen, ability to convert complex data into insights and action plans, demonstrated in-depth understanding of predictive modeling life cycle and architects projects through implementation
- May lead a small group of less experienced team members on analytical projects or on cross-functional teams. Frequently serves as team lead on multiple projects, mentor and train junior team members

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.

Certifications:

Years of Experience: Generally requires 5-77-11 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, supervised/unsupervised clustering techniques, etc.
- Advanced skills in developing statistical targeting models using at least 2 of the following tools; SAS, R, KNIME, SPSS, Python, RapidMiner, KXEN, Bayesia, MATLAB, Statistica, Weka etc.
- Experience Expert 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 SQL, HQL, 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++

- Makes themselves replaceable. Does not develop silo views. Is able to communicate/collaborate with internal and external contacts/vendors; understands context of work outside functionAbility to explain complex statistical problems and solutions to laymen.
- Has a good understanding of overall business, including financial acumen, ability to convert complex data into insights and action plans, demonstrated in-depth understanding of predictive modeling life cycle and architects projects through implementation.

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.