The principle purpose of the Data Scientist is to provide advanced analytical capabilities to support data science initiatives.These include insightful business, website, and statistical analyses that yield tangible results for Lowe’s and Lowe’s Digital.

In addition, the Data Scientist is responsible for taking the lead on analytic and automation projects, developing expertise in problem analysis, solution implementation, and ongoing optimization. The Data Scientist is expected to stay current on industry trends, emerging technologies, new methodologies, and provide guidance to team members.

To accomplish this, the Data Scientist must have a strong interest in data science, statistical analyses, customer behavior, and the retail space, while demonstrating comfort in dealing with ambiguity.Also, the Data Scientist must possess a high level of intellectual curiosity in proactively identifying opportunities for improved results.

This position should expect to collaborate successfully across business functions within Lowe's and Lowe's Digital.

**Travel Requirements**

This role requires travel up to 10% of the time within the US, and may include international travel.

**Key Responsibilities**

* Support one or more areas of Lowe’s or Lowe's Digital in providing actionable insights on Personalization, Search & Navigation, SEO & Promotions, Supply Chain, Services, other company priorities, etc. through data science
* Support the creation of an automated insights generation framework for Lowe’s business partners
* Track measures of success and develop dashboard reports that measure financial results, customer satisfaction, and engagement metrics for Lowe’s business partners
* Measure and evaluate impact of data science initiatives (such as personalization or improved search algorithms)
* Identify innovative ways for measuring and improving customer engagement
* Conduct deep statistical analyses, including predictive and prescriptive modeling
* Develop machine learning models and data science frameworks to support key business initiatives such as personalization & recommendations; search recall, relevancy & ranking; supply chain & network optimization; etc.
* Conduct ad-hoc analytical requests, seeing them to completion
* Support functional area(s) in reaching their goals via timely and insightful analyses
* Support the development of tactical plans aligned with Lowe’s business strategy in order to bring the vision into realization
* Keeps pace with change and maintains a competitive advantage within the marketplace by seeking out and learning changes in the field
* Responsible for working across the Data Science team, other analytics colleagues, and business partners (such as Personalization, Search & Navigation, SEO & Promotions, Social, Inventory Planning, Supply Chain, Services, etc.)to accomplish tasks
* Takes lead on project discovery, project coordination, and project implementation
* Engage in developing the next generation Data Scientist through the Junior Data Scientists
* Develops communications, conveying message at the appropriate level for the given audience

**Minimum Qualifications**

* 1 - 3 years analytical experience with a Bachelor’s degree in related quantitative analytic field OR 0 - 1 year analytical experience with a Master's degree in related quantitative analytic field (Computer Science, Statistics, Physics, Economics, etc.)
* Experience using multiple data systems and sources including an enterprise grade analytics tool (Hadoop, Spark, Aster, Teradata, Netezza, Redshift, Vertica, Alteryx, Tableau, etc.)
* 0-2 years Programming experience (Java, Python, Scala, Rust, etc.)
* Advanced knowledge of SQL with at least 2 years of functional experience
* Knowledge of various statistical modeling techniques with 2 year of functional experience
* Strong business acumen and ability to understand business problems, develop hypotheses, test and learn
* Ability to form relationships/partnerships and lead by influence rather than by authority in a high matrix organization
* Ability to manage time and priorities while still driving multiple projects at once
* Strong communication skills and ability to interact with stakeholders and business partners across the organization, and at various levels (technical to creative; individual contributors to executives)

**Preferred Qualifications**

* 2+ years functional experience in performing predictive analytics at a large scale enterprise
* Masters in related quantitative analytic field