

Data Analyst / Data Scientist

Position Data Analyst

Department Information Technology – Global Innovation Center

Description I: MSD

MSD is an innovative, global healthcare leader committed to improving health and well-being in 140 countries around the world. Our product categories include heart and respiratory health, diabetes, infectious diseases, consumer products and women's health. We continue to focus our research on conditions that affect millions of people around the world - diseases like Alzheimer's, Diabetes and Cancer - while further expanding our strengths in areas such as vaccines and biologics. We aspire to be the best healthcare company in the world and are dedicated to providing innovative solutions for tomorrow.

Note: MSD is known as Merck in the United States and Canada.

Description II: GIC

We are seeking energetic, forward-thinking professionals to join our Information Technology group in Prague. As part of that team, you will help launch our new IT Global Innovation Center focused on developing and applying advanced capabilities in information sciences, information security, mobility, social media and big data. You will have the opportunity to work on global teams to identify and tackle the biggest opportunities and challenges at the intersection of healthcare, information and technology. We offer project-based rotations to help with your professional development, and a flat, collaborative environment. Overall, our new Global Innovation Center in Prague offers technology professionals incredible opportunities to learn from others across the globe, to challenge themselves, and to enjoy a reward that technology careers don't often bring: the satisfaction of helping to save lives.

Qualifications, Skills & Experience

We are seeking professionals with the following qualifications, skills and experience:

Education Minimum Requirement

- MSc Degree or BSc Degree in a quantitative field such as Mathematics, Statistics, Information Technology, Physics, Supply Chain Management, Operations Research, Engineering, Finance.

Required:

- An analytical problem solver: Strong analytical and problem-solving skills, and ability to work with incomplete or imperfect data
- A data visualizer and coder: Ability to identify and visualize relationships within large, not obviously related data sets.
- Persistent and driven: Demonstrated characteristics of a forward thinker and self-motivator that thrives on new challenges and adapts to learning new knowledge
- Passionate: show high energy for quantifying human-driven systems and exploring those systems using data visualization techniques
- Collaborative: demonstrated experience applying excellent oral and written communication and interpersonal skills working with global and cross-functional teams towards common goals, realizing that the best results from the combined efforts of diverse teams

Desired Experience and Skills -

- Knowledge of SAP, Spotfire, R and/or SPSS, or other appropriate software
- Knowledge of statistical and data mining techniques, which may include some of the following: regressions models, cross section time series models, longitudinal data analysis, Structural Equations Models, formulating and solving OR models like linear (large-scale), mixed integer, non-linear and evolutionary programming methods, and various Clustering algorithms.
- Green Belt Six Sigma Certification

- Experience applying these skills in a business setting is a plus.

Description: Applicants we Seek

The Data Analyst will use information and models to gain insight into business performance, support fact-based decisions, and communicate opportunities for sustained improvement. The candidate will be responsible for developing solutions using statistical and data mining models, working closely with existing analytics teams.

The Analyst may participate in all phases of projects, including ideation, business case development and project definition, data discovery and preparation, model development and/or data mining, and finally assessing options and making recommendations.

The Analyst may work on a variety of projects to help our business by increasing revenue, reducing cost and risk, and improving cash flow, compliance, policies, process and service levels.

Primary job responsibilities include:

- Act as an analyst in the development of hypotheses to improve business performance
- Find data to support analytical projects, and oversee or execute the work necessary to prepare data to support the development of information models to prove or disprove project hypotheses.
- Use tools such as SAP BI, Spotfire, R and SPSS to design and develop operational reports and analytical models including advanced techniques such as forecasts, simulations, and optimizations.
- Assess the output of analytical solution and use the data to draw conclusions, identify options, and make recommendations.
- Make recommendations that aid in the realization of value and sustaining analytical activities, which seek to embed analytical tools within business processes.
- Promote a culture of analytics as a differentiator and competitive advantage – an environment that places high value on embedding analytical tools within business processes, and using information in real time to make fact-based decisions “
- Stay current with industry best practices and trends.

We offer:

- Competitive remuneration
- Position in a leading global healthcare company
- Challenging career
- Professional growth based on performance
- Innovative and flexible working environment
- Wide range of benefits

To be considered for this position, please visit our career site at www.merck.com/careers to create a profile and submit your resume for requisition INF004156.