**Sample data scientist job description**

At [Company X], we rely on insightful data to power our systems and solutions. We’re seeking an experienced data scientist to deliver insights on a daily basis. The ideal candidate will have mathematical and statistical expertise, along with natural curiosity and a creative mind. While mining, interpreting, and cleaning our data, this person will be relied on to ask questions, connect the dots, and uncover hidden opportunities for realizing the data’s full potential. As part of a team of specialists, the data scientist will “slice and dice” data using various methods and create new visions for the future.

**Objectives of this role**

* Collaborate with product design and engineering teams to develop an understanding of needs
* Research and devise innovative statistical models for data analysis
* Communicate findings to all stakeholders
* Enable smarter business processes by using analytics for meaningful insights
* Keep current with technical and industry developments

**Responsibilities**

* Serve as lead data strategist to identify and integrate new datasets that can be leveraged through our product capabilities, and work closely with the engineering team in the development of data products
* Execute analytical experiments to help solve problems across various domains and industries
* Identify relevant data sources and sets to mine for client business needs, and collect large structured and unstructured datasets and variables
* Devise and utilize algorithms and models to mine big-data stores; perform data and error analysis to improve models; clean and validate data for uniformity and accuracy
* Analyze data for trends and patterns, and interpret data with clear objectives in mind
* Implement analytical models in production by collaborating with software developers and machine-learning engineers

**Required skills and qualifications**

* Seven or more years of experience in data science
* Proficiency with data mining, mathematics, and statistical analysis
* Advanced experience in pattern recognition and predictive modeling
* Experience with Excel, PowerPoint, Tableau, SQL, and programming languages (ex: Java/Python, SAS)
* Ability to work effectively in a dynamic, research-oriented group that has several concurrent projects

**Preferred skills and qualifications**

* Bachelor’s degree (or equivalent) in statistics, applied mathematics, or related discipline
* Two or more years of project management experience
* Professional certification