

CAREER OPPORTUNITY

Senior Data Scientist

Office Location | Cambridge, MA

Reputation Institute (RI) is the gold standard in reputation management research and consulting. Reputation Institute helps companies unlock the power of their reputations for competitive advantage. Hundreds of Fortune 1000 companies around the globe leverage Reputation Institute's RepTrak[®] methodology for measuring and managing reputation. We work closely with all of the communications functions including at the highest level with the CCO to specialized areas of communications such as public relations directors, social media managers, reputation management specialists, and corporate social responsibility officers.

Reputation Institute's research is considered the authoritative source for Corporate Reputation Management by the world's leading publications. Our research been featured in nearly every relevant trade publication, including *The Economist*, *Forbes*, *Fortune*, *Time*, *Bloomberg*, *Information Week*, *Industry Week*, *Business Week*, *The Financial Times*, *Washington Post*, *NY Times* and the *Wall Street Journal*. Our analysts frequently appear on media outlets such as NPR, CNBC, FOX Business News, BBC, Sky News, CNN and a multitude of industry webcasts.

The Role:

The Senior Data Science Engineer is the key position within the Reputation Institute's technology team and the individual will be responsible for qualitative and quantitative data analysis. This position's primary focus is to correlate multiple datasets (legacy data, Social, Financial, Risk Index, CRM etc.) to extract meaningful insights pertaining to RepTrak model using statistics and machine learning techniques. Individuals within the Data Scientist role will be responsible for data modeling, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualization techniques. In addition to advanced analytic skills, this role is also proficient at integrating and preparing large, varied datasets, architecting specialized database and computing environments, and communicating results.

The Senior Data Science engineer will play an integral role in both leveraging this data to better serve existing clients as well as innovate the data into new data services that can provide RI with a strong future growth engine. The role will include:

- **Client Delivery** – Manage processes assuring that qualitative and quantitative research analysis is robust in identifying key insights form the data. These insights are packaged into client deliverables and presented to the clients in the form of reports, tools and workshops.
- **Research Methodology** – work with senior leadership, consultants and clients to identify research needs, recommend methodologies, and design quantitative studies; global code book, database taxonomy, provide guidance to account teams on best practices for survey and sample design; manage study implementation to ensure quality and accuracy of research.

CAREER OPPORTUNITY

- **Project Management Coordination** – coordinate with internal global teams and vendors to manage quantitative research projects, including questionnaire and sample design, translations, survey programming, data collection, analysis and reporting.
- **Analytical Insight Development** – direct quantitative analysis through standard analytical techniques leveraging statistical software such as R to perform complex analysis.
- **Data Services Development** – lead the development of a comprehensive data architecture and database program, in partnership with software engineering, built on a foundation of RepTrak® survey data, integration of 3rd party data sources and analytical and visualization tools to power the RI Data Services products. These Data Services products will be a highly leveraged portfolio of subscription based data access, inquiry and syndication services.

Professional qualifications

- Five years of professional experience working as a Data Scientist
- Master's degree or PhD from an accredited college/university in Computer Science, Statistics, Mathematics, Engineering (strong mathematical background with ability to understand algorithms and methods from a mathematical viewpoint and an intuitive viewpoint)
- Knowledge of “R”, Social Media and Financial Data Integration is a plus
- Experience with command-line scripting, data structures and algorithms and ability to work in a Linux environment, processing large amounts of data in a cloud environment
- Strong knowledge in one of the following fields: machine learning, data visualization, statistical modeling, data mining, or information retrieval, data extraction and processing, using MapReduce, Pig, and/or Hive preferred
- Perform machine learning, natural language, and statistical analysis methods, such as classification, collaborative filtering, association rules, sentiment analysis, topic modeling, time-series analysis, regression, statistical inference, and validation methods
- Experience in benchmarking operational and financial performance across global companies and multiple stakeholders.
- Build recommendation engines, spam classifiers, sentiment analyzers and classifiers for unstructured and semi-structured data
- Drive client engagements focused on Big Data and Advanced Business Analytics, in diverse domains such as product development, marketing research, public policy, optimization, and risk management; communicate results and educate others through reports and presentations
- Ability to work in the country is required.

CAREER OPPORTUNITY

Compensation package

The Senior Data Scientist role includes a compelling compensation package including a competitive salary, an annual performance bonus plan. In addition RI offers a full benefits program including medical/dental/vision benefits, paid vacation and more.

Reputation Institute is committed to diversity in the workplace and is an Equal Opportunity Employer.

Please address all cover letters and resumes to Tammy Olsen, Director of Human Resources (T Olsen@reputationinstitute.com)


Hear what our clients and team say about RI

RI is the best place to grow as a professional. We work hard and we have fun doing it. Simply put, we are the Gold Standard of reputation management. Our Founders literally wrote the book on it and our clients sing our praises.

Listen to what our clients and team have to say!

What organizations say about RI

"Our CEO now utilizes quarterly general-public reputation measures in 15 countries consolidated into a single dashboard to report to our Board. Reputation Institute's framework has helped us understand our stakeholders."

 Chief Marketing Officer,
MasterCard Worldwide


RepTrak®
Trust

"To be ranked among the most reputable companies is a great honor, and a reflection of what our 325,000 team members strive to deliver every day."

 SVP Integrated Marketing
and Communications, FedEx

Expertise
Honest Integrity

"We believe the survey is a great way to measure how we perform as a company and we remain dedicated to continue to live up to the expectations children, parents and other stakeholders have on us."

 President and CEO,
The LEGO Group

Global
RLN

"A large part of Levi Strauss & Co.'s successful 162-year history is our commitment to quality apparel that never goes out of style and an unrelenting focus on innovation."

 President and Chief
Executive Officer,
Levi Strauss & Co.

Teamwork
Advisor

"We believe reputation is built on our commitment to customers to provide quality, innovative products and back them with integrity."

 Director, Global Public
Relations, John Deere

"Bacardi strives for continuous progress and improvements in everything we do. It's very rewarding to see that we are making real strides in corporate governance, innovation, reputation and overall citizenship with others around the world taking notice. A three-point jump in just one year to the number 90 spot in the Global RepTrak 100 rankings is extremely satisfying."

 **BACARDÍ**
CEO, Bacardi Limited

CAREER OPPORTUNITY

What our team says about RI

"To me, RI is an opportunity to create a legacy in reputation measurement and management. The chance to do great work, be great, and expand upon our reputation as the gold standard in our field of reputation."



"It means transparency, collaboration and partnership across offices and departments."

"We share the same financial goals — and we show each other the respect deserved. We have a spirit of we win together. No one person can claim all the success and no one person takes all the blame."



"A better system of communication and transparency. I do know that geographical distance presents an issue, but I do believe that it will be of high value if we learn more about the people in different offices."

"One RI is a mindset, a way of working, and a collective goal. Globally we need to unite around a common purpose and to collectively work towards the same outcome."

"I recently joined RI and from my vantage point One RI means that although we are dispersed throughout the globe we share a single vision."

For more information about the firm, please visit our website at www.reputationinstitute.com.