



Position Description: Data Scientist

About the job:

IHA is looking for a Data Scientist who will lead our data analytic services for internal and external clients to gain meaningful insights from analyzing IHA data. Reporting to the Vice President of Analytics & Performance Information, you will collaborate with the Performance Measurement Collaborative, business and product development, and marketing teams to find opportunities for product and process optimization. The IHA Data Scientist will work with healthcare data from a variety of sources including, clinical quality, patient experience, health IT, utilization, cost, and organizational characteristics. Responsibilities involve planning and designing analytic activities, assessing and solving complex data problems, and producing reliable findings and interpretations. This role interfaces with clients, develops and delivers presentations and works effectively to ensure clients' needs are met in a timely and high-quality manner.

The ideal candidate will have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes. They will have experience using a variety of data mining/data analysis methods, using a variety of data tools, building, and implementing models, using algorithms, and running simulations. They must have a proven ability to drive business results with their data-based insights.

In this position, you will:

- Interface with stakeholders and internal partners to identify opportunities for leveraging company data to drive business solutions. Through technical knowledge of the data sources, methods and tools, identify the most appropriate formats and detailed methods for summarizing and reporting healthcare data.
- Use data to enhance stakeholder experiences, revenue generation and other business outcomes.
- Participate in the research, evaluation, recommendation and implementation of new products, tools, or software solutions.
- Guide and support a team of analysts in conducting robust modeling and analyses, and ensure appropriate interpretation of analyses by business teams.
- Mine and analyze data from IHA databases to drive optimization and improvement of product development, marketing techniques and business strategies. Assist with development of specifications with stakeholders and interpret, analyze, and present health data in an accurate, efficient, and thoughtful manner.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques. Review analyses and interpretations in reports, presentations, etc. to ensure the accuracy and validity of presented information.
- Develop processes and tools to monitor and analyze model performance and data accuracy. Work independently to investigate unusual findings in analyses. Explore source data files, algorithms, and reference tables to identify causes of unusual findings.
- Develop custom data models and algorithms to apply to data sets. Use analytic tools such as Python, STATA, Excel, SQL to provide data support and respond to ad-hoc requests for customized data queries, reports, and analyses.
- Develop written reports and documentation of information for stakeholders. Provide high quality, responsive service.
- Create and deliver effective presentations that highlight the power of IHA's data to external stakeholders.

- Coordinate projects. Support efforts to assign, prioritize and provide direction to team members.
- Proactively identify issues and constraints and work to find solutions.
- Understand the value of maintaining the confidentiality and integrity of data, meeting applicable privacy and security compliance requirements.

You have most of these:

- Master's degree required; PhD preferred.
- Minimum of 5 years of experience analyzing data sets, building statistical models, and interpreting findings.
- A deep understanding of health care data and analyses and health information technology.
- Ability to effectively access large sets and generate reliable reporting analyses.
- Experience with relational databases and knowledge of querying and analytical tools.
- Knowledge of advanced statistical techniques and concepts and experience with application.
- Experience making defensible, statistically sound interpretations of analyses.
- Ability to analyze healthcare data, understand issues and problems, relate them to customer needs, and propose appropriate solutions.
- Experience visualizing /presenting data for stakeholders.
- Experience working collaboratively as well as independently within multidisciplinary teams.
- Ability to manage competing deadlines and multiple projects in a fast-paced environment.
- Strong leadership, collaboration skills, and the ability to influence peers and colleagues.
- Proven ability to manage multiple functions and build strategic relationships at many levels.

Benefits:

- Competitive salary
- Great work environment in convenient location (City Center 12th St BART Station in Oakland)
- Free snacks, tea and coffee; pool/ping pong table in the office
- Subsidized gym membership
- 401K contribution
- 21 paid days off a year + 9 holidays
- Medical/dental/vision coverage
- Commuter benefits

US work authorization is a prerequisite to employment for this position.

Please submit cover letter and resume in confidence to jobs@iha.org, and include Data Scientist in the subject line.

About IHA:

IHA is a non-profit multi-stakeholder leadership group that promotes health care quality improvement, accountability and affordability for the benefit of all Californians. IHA members represent the most diverse and influential cross section of health care organizations across California. With trusted data and collaborative programs, we serve as a catalyst by forging common ground and initiating, coordinating, and managing projects that address delivery system challenges. ([see Our Work](#)). IHA was founded in 1994, has about 25 employees, and is located in downtown Oakland.

Why Us:

There are hundreds of contributing factors to the wide discrepancies in the costs and quality of healthcare in California, and just as many efforts to fix them. IHA collaborates with diverse stakeholders, from health plans

and providers to policy makers and purchasers, to accelerate improving quality, reducing costs, and increasing transparency in health care. By breaking down silos and establishing widely accepted standards and benchmarks, we help solve seemingly intractable problems so our members and partners can move health care forward.