



Principal Data Scientist in New York, New York

POSITION SUMMARY

The Principal Scientist provides strategic leadership for the development, validation and delivery of algorithms, statistical models and reporting tools. Acts as the analytic team lead for highly complex projects involving multiple resources and tasks, providing individual mentoring in support of company objectives.

Fundamental Components:

- Leads development and execution of new and/or highly complex algorithms and statistical predictive models and determines analytical approaches and modeling techniques to evaluate scenarios and potential future outcomes.
- Establishes analytical rigor and statistical methods to analyze large amounts of data, using advanced statistical techniques and mathematical analyses.
- Manages highly complex analytical projects from data exploration, model building, performance evaluation & testing.
- Applies in-depth knowledge of systems and products to consult and advise on additional efforts across organization/enterprise.
- Motivates team members and probes into technical details, and mentors others to do the same.
- Provides thought leadership and direction for analytic solutions, tools and studies.
- Anticipates and solves strategic and high risk business problems with broad impact on the business area by applying leading-edge theories and techniques to investigate problems, detect patterns and recommend solutions.
- Provides guidance to develop enterprise-wide analytics strategy and roadmap
- Interacts with internal and external peers and management to share highly complex information/solutions related to areas of expertise and/or to gain acceptance of new or enhanced technology/ business solutions.
- Expertise in advanced analytics tools and languages to analyze large data sets from multiple data sources
- Superior skills to effectively communicate and negotiate across the business and external health care environment
- Superior ability to communicate technical ideas and results to non-technical clients in written and verbal form
- Strong organizational, management and leadership skills.

BACKGROUND/EXPERIENCE:

- 10+ years of Data Analytics experience. Preferred experience with Healthcare Data.
- 4+ years of Product/ Project Management experience.
- Expert Level with R and/or Python. Able to manipulate large data sets and develop statistical models.
- Proficiency in all areas of advanced mathematical methods for developing predictive models including statistical analyses and machine learning.
- Solid knowledge of Hadoop environment and ability to interact with large datasets using tools such as; HIVE or PIG.
- Exceptional core Project Management skills. Experience in Agile Methodologies and processes.
- Proven ability to build relationships internally and externally, able to interface at all levels and possessing a team-oriented attitude.
- Excellent business acumen.
- Excellent communication skills both written and verbal. Able to tell accurate, compelling stories with data and visualization tools.
- Demonstrated ability to influence cross-functional groups and to drive decisions
- Strong problem solving skills and critical thinking ability.
- Demonstrated extensive and diverse knowledge of customer engagement metrics, health care data, systems and standards; demonstrated subject matter expert in multiple subject areas.
- Able to communicate statistical and technical ideas and results to non-technical clients in written and verbal form.
- Expert knowledge of segmentation, targeting, predictive modeling, multivariate analyses/optimization, and behavioral economics.

EDUCATION

The highest level of education desired for candidates in this position is a Master's degree. PHD preferred.

ADDITIONAL JOB INFORMATION:

- This position is office based in New York City, NY or Boston, MA

Aetna is about more than just doing a job. This is our opportunity to re-shape healthcare for America and across the globe. We are developing solutions to improve the quality and affordability of healthcare. What we do will benefit generations to come.

We care about each other, our customers and our communities. We are inspired to make a difference, and we are committed to integrity and excellence.

Together we will empower people to live healthier lives.

Aetna is an equal opportunity & affirmative action employer. All qualified applicants will receive consideration for employment regardless of personal characteristics or status. We take affirmative action to recruit, select and develop women, people of color, veterans and individuals with disabilities.