Director, Data Science Lead

Role Summary

Global Commercial Analytics (GCA) harnesses the power of data to drive robust analytical insights that inform some of Pfizer's most critical business questions. With colleagues across the globe, GCA's rigorous analytical expertise is depended on as the compass and decision support for the enterprise. Our dynamic, exciting team of subject-matter experts comes from diverse backgrounds and experiences, including data science, engineering, market research, and consulting. As a team, we collaborate to turn data into meaningful insights that will have a direct impact on patient's lives and the future of Pfizer as a data-driven organization.

Pfizer is looking for a leader of Data Science leading a best-in-class team in the market DS sub team. Reporting to the International Business Aligned Data Science lead, you will be responsible for leading a team of data scientists across multiple markets ensuring best in class methodologies and deliverables across the entire data journey from Descriptive to Predictive analytics.

As Director of Data Science, you will lead a team of 4 members. You will manage demand intake, prioritization, and delivery for analytics solutions in Japan and APAC markets. Additionally, you will oversee the rollout of advanced analytics capabilities for these regions. You will also collaborate closely with the Data Science Centre of Excellence (COE) to ensure alignment with global standards and best practices.

Data-driven decision-making is central to our operations, optimizing strategies and informing commercial teams. We seek someone passionate about using analytics to tackle business challenges and implement strategic goals. This role involves collaborating with the CMO team, business leaders, and digital team to enhance decision-making efficiency and drive marketing transformation.

ROLE RESPONSIBILITIES

This role is accountable for delivering data science driven insights & solutions and will partner with senior functional leads across Commercial analytics to develop and implement models, insights, and data products that drive brands' strategic priorities.

• You are a top-tier data scientist and product manager with experience in leading teams, organizing analytical processes and workflows, and mentoring/developing the managers that work on your team as well as junior team members.
• You are a hands-on leader who has demonstrated the ability to hire, build and develop high performing teams to meet the needs of a highly dynamic and complex business.
• You have a passion for applied empirical analytics and answering hard questions with data, and the demonstrated ability to conceptualize, promote and implement business insights.
• You have the ability to use advanced machine learning techniques for driving highly applied analyses and tools to directly drive revenue and optimize resources.
• You have experience building and leading enterprise teams to develop end-to-end ML/AL solutions and applications at large scale in the Cloud.
• Have a strong passion for conceptualizing, documenting and deploying complex analytical plans to take on business problems.
• Confirmed collaboration, executive communication and storytelling skills with ability to adapt and connect across a variety of audiences. This includes strong writing, and data visualization skills with the ability to communicate complex quantitative analysis in a clear, precise, and actionable manner to senior executives.
• Leading ongoing and ad-hoc analyses and predictive analytics to provide leadership with actionable insights at tactical and strategic levels.
• Be a self-starter, driven, accountable and a high-energy leader.
• Background in healthcare, Pharma, or health payments analytics experience is highly preferred.

BASIC QUALIFICATIONS
• 10+ years of relevant experience in data science/machine learning and 3+ years' managerial experience.
• You have expert level knowledge of applied regression techniques including, but not limited to: Linear, Logistic, Mixed models, Time Series, General Linear Models & Simultaneous Equations. You also have experience in the use of Neural Network models for sales forecasting and GAN models.
• Expertise in statistical data analysis and mathematical methodologies for unsupervised & supervised learning algorithms. Expertise in a wide variety of techniques such as neural nets, deep neural nets, boosted trees, support vector machines. Algorithm development in graph mining and social network analysis is a plus
• Expert level knowledge of relational databases, including SQL, and large-scale distributed systems such as Hadoop and or working in Snowflake/Databricks
• Conceive and coach the design of end to end scripted analytics solutions using Python, Scala, Java, or R as well as modern analytical systems in Spark + Hadoop/Databricks/Snowflake.

PREFERRED QUALIFICATIONS

Advanced degree in Applied Econometrics, Computer Science, Statistics, Data Mining, Machine Learning, Analytics, Mathematics, Operations Research, Industrial Engineering, or related field. Ph.D is preferred.

Industry or consulting experience, along with project management skills strongly preferred

Japanese and English language proficiency