DATA SCIENTIST

COMPANY OVERVIEW

Tata Group is an Indian multinational conglomerate company headquartered in Mumbai, India. It encompasses seven business sectors: communications and information technology, engineering, materials, services, energy, consumer products and chemicals. Tata Group was founded in 1868 by Jamsetji Tata as a trading company. It has operations in more than 80 countries across six continents. Tata Group has over 100 operating companies with each of them operating independently.

Tata Sons is the promoter of all key Tata companies and holds the bulk of shareholding in these companies.

BACKGROUND

The Tata companies together serve over million consumer and commercial customers today across several products and services. In order for the Tata companies to better understand customer and client needs and preferences, action life stages, needs, value, and potential, and enhance value and experience; the Tata companies need to develop robust data and information management capability and customer analytics. The vision is to eventually create the best in-house capability for data analytics amongst any large corporate. To achieve the above aims, it has been decided to establish an independent Tata company focused on building a common data analytics platform and help Tata Group companies. This company is being incubated in the initial phase as a division of Tata Industries and will subsequently be structured as a separate company to build Big Data Analytics and Data Science capabilities catering to but not limited to the 'Consumer' brands of the group.

Tata Insights and Quants – Journey to Date

Company: Tata - Insights and Quants – A Newly started division by Tata Industries.

http://www.livemint.com/Companies/PCgvCZILuJKV68UKVHZRJO/With-new-analytics-arm-Tata-aims-to-make-better-sense-of-da.html

Employer Brand:

Tata iQ in 18 months of its inception was recognized in the list of Analytics India Magazine's (AIM) Top 10 most desirable Analytics Indian Firms to work for in 2016:

http://analyticsindiamag.com/top-10-analytics-firm-wish-worked-2016/

Generating Value for Customer:

Fourteen Tata companies are partnering Tata Insights and Quants (Tata iQ), a Big Data firm, to analyse data collected from users, consumers and make sense of it to put changes in place

http://www.livemint.com/Companies/5om8ebrv6p02jGCcRB3j3K/Tata-companies-use-Big-Data-to-craft-strategies.html

https://cio.economictimes.indiatimes.com/news/strategy-and-management/how-ranjit-satyanath-plugs-into-it-to-power-up-croma-for-the-digital-era/65050926

Contributing to Community through big data:

In line with the Tata group's philosophy of giving back more to the society than what it takes, Tata iQ, Tata group's big data and decision Sciences Company.

Okhai partners with Tata iQ to deliver big impact through big data

Company : **Tata Insights and Quants**
Role   : Data Scientist
Level   : Analyst – Associate - Senior Associate
Role Type   : Individual Contributor
Location   : Mumbai | Bangalore | Jamshedpur | Kalinga Nagar – All Options open

Job Description

The incumbent will be part of the Predictive Analytics, Digital Analytics, Data Sciences, Advanced Visualization, Insights & Experimentation team and will report to the Manager/Senior Manager. He/she will be an individual contributor working on multiple data sciences, advanced visualization and data management initiatives across multiple companies and industries leveraging traditional and big data. The incumbent will have the unique opportunity to witness the application of analytics across multiple industry verticals. Close partnership with business and the senior leadership of multiple Tata Companies will enable a clear understanding of the business perspectives and the application of analytics for solving real business problems.

Key Responsibilities:

- Apply Data Mining/ Data Analysis methods using a variety of data tools, building and implementing models using algorithms and creating/ running simulations to drive optimisation and improvement across business functions
- Assess accuracy of new data sources and data gathering techniques
- Perform Exploratory Data Analysis, detailed analysis of business problems and technical environments in designing the solution
- Apply Supervised, Unsupervised, Reinforcement Learning and Deep Learning algorithms
- Apply advanced Machine Learning Algorithms and Statistics:
    - o Regression, Simulation, Scenario Analysis
    - o Time Series Modelling
    - o Classification - Logistic Regression, Decision Trees, SVM, KNN, Naive Bayes
    - o Clustering, K-Means, Apriopri
    - o Ensemble Models - Random Forest, Boosting, Bagging
    - o Neural Networks
- Lead and manage Proof of Concepts and demonstrate the outcomes quickly
- Document use cases, solutions and recommendations
- Work analytically in a problem-solving environment
- Work in a fast-paced agile development environment
- Coordinate with different functional teams to implement models and monitor outcomes
- Work with stakeholders throughout the organization to identify opportunities for leveraging organisation data and apply Predictive Modelling techniques to gain insights across   business functions - Operations, Products, Sales, Marketing, HR and Finance teams
- Help program and project managers in the design, planning and governance of implementing Data Science solutions

2

Experience and Skills:

• 2-7 years of professional working experience in Analytics
• Experience in Retail, Financial Services and Manufacturing
• Experience using statistical packages of R, Python and Spark ML to work with data and draw insights from large data sets
• Experience with distributed data/ computing tools: Hadoop, Hive, Spark, Python
• Experience with SQL
• Experience visualizing/ presenting data for stakeholders using matplot, ggplot or Excel or Tableau
• Excellent written and verbal communication skills for coordinating across teams

Education qualification:

• Bachelors/ Masters in a quantitative discipline (Statistics, Econometrics, Mathematics, Engineering and Science)