

Data Science Specialist – Paris

Advanced Analytics Group

Our Advanced Analytics Group is a team of experts in data science, engineering, marketing science, operations research and primary research. You will work alongside Bain's consulting teams to provide high quality results for our clients, some of the most successful and pioneering businesses in the world.

The role

- Provide data science services to Bain case teams and clients worldwide. You will work with other data scientists and case teams to assess client demands and suggest data science methods that provide practical, value-added answers to the client and case teams.
- Develop solutions that bring critical insights to wide scale of different problems such as targeting customers and segmenting markets, product design, marketing optimization, demand forecasting and brand valuation, profit and price analyses, and fraud detection.
- Develop, prototype and test machine learning algorithms on data sets that can range from a few data points to billions.
- Apply machine learning and statistical techniques including regression models, decision trees, random forests, gradient boosting, support vector machines, clustering and topic models.
- Prepare various sources of data using data wrangling methods in Python, R and SQL, leveraging infrastructure including Cloud computing solutions and relational database environments
- Keep abreast of new and current statistical methodologies, machine learning and data wrangling techniques.

What we look for

- A Master's Degree or Ph.D. in a quantitative discipline such as Statistics, Mathematics, Engineering, Computer Science, Econometrics, Business Analytics, or Market Research. Previous work experience in a related field is a plus.
- Strong foundation in Mathematics
- Proficiency in SQL is required
- Proficiency with data wrangling, visualization and modeling in either R or Python is required
- Proficiency with VBA, Javascript and/or Alteryx is a plus
- Examples of domain expertise in which we are interested is: predictive modeling, churn analysis, time series forecasting, computer vision, text mining, recommender systems, market basket analysis, segmentation, graph analytics, natural language processing and text analytics
- Experience with dashboard and reporting tools such as Tableau and Qlik
- Experience with Git and modern software development workflow is a plus
- Strong interpersonal and communication skills are pre-requisite for this role

- Ability to explain and discuss mathematical and machine learning technicalities to a business audience.
- Must thrive in a fast paced environment
- Fluency in French and English required
- Travel required