



Example of Decision Scientist Job Description

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Our company is growing rapidly and is hiring for a decision scientist. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for decision scientist

- Implement new functionalities in optimization solvers, including translation of specifications into software code
- Support testing of solvers, including definition of test cases, analysis of feasibility and performance tests results
- Ensure the transfer of the prototype to the operations entities and provide support to the industrialization phase
- Increase human machine interactivity by leveraging artificial intelligence techniques (fuzzy logic expert systems..) trained on historical decisions from decision makers
- For real time and short term dispatching applications for a more reactive, agile and responsive supply chain to customer demand
- To develop digital twins of our supply chains in order to simulate their behavior within different operating conditions and marketing offers stressing the supply chains resilience
- Fresh graduates (up to 3 years) from Masters of Science in Industrial Engineering / Operations Research / Applied Mathematics from top Universities or Grande Ecole Engineering School
- Solid knowledge of methods and algorithms (combinatorial optimization, non linear programming, optimization under uncertainty...) is required
- Must show command of using high level modeling and platforms languages such as AIMMS and programming languages such as Python, C#
- Experiences with data science/machine learning/expert systems/constraint programming techniques and discrete event simulations will be decisive in the final choice of the candidate

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- Experience establishing a lab adhering to CLIA standards
 - Five years of experience with multi-disciplinary team participation
 - Skilled in training and educating biomedical students
 - Technology/ Tools
 - Advanced competency and expertise in several Modeling & Machine Learning Techniques (regression, tree models, survival analysis, cluster analysis, forecasting, anomaly detection, association rules)
 - Analyze very large data sets in real time databases and develop/implement mathematical approaches to solve critical business objectives