Business Intelligence Engineer

Job ID: 388177 | Amazon Corporate LLC

DESCRIPTION

Are you seeking an environment where you can drive innovation? Do you want to apply machine learning, data engineering, and advanced statistical modeling to solve real world problems in Supply Chain, Inventory Management and Simulation? Do you want to play a crucial role in the future of Amazon's Retail business?

Every time an Amazon customer makes a purchase, a number of systems are involved: these systems help optimize inventory acquisition, enable a number of purchase options, ensure great pricing, store products so they are available for fast delivery and minimize package frustration. The Supply Chain Optimization Technology (SCOT) Group develops and manages these systems. We are central to Amazon customers' ability to find what they want and get it when they want it. The IPC (Inventory Planning and Control) Lab team is responsible for designing and executing the experiments that measure the impact of SCOT initiatives. We are looking for Data Scientists that will play a key role in delivering on the vision to produce a best-in-class AB Test platform that is embedded in critical decision making processes, thereby accelerating innovation on the Amazon Supply Chain.

Key responsibilities of a Data Scientist in IPC Lab include:
· Working with technical and non-technical customers to design experiments and communicate statistical results
· Working with Research Scientists developing new statistical techniques in sampling, experimental design and analysis to capture new use cases and improve fidelity
· Collaborating with our dedicated software team to create production implementations for large-scale data analysis
· Developing and owning key business metrics / KPIs and providing clear, compelling analysis that shapes the direction of our business
· Deep dives on experimental results to yield additional insights and guidance for future experiments
· Creation and maintenance of dynamic automated reports that leverage visualization to aid critical decision making
· Driving training sessions with internal customers to facilitate efficient usage of experimentation and standardize results reporting

Your contributions will be seen and recognized broadly within the Amazon Retail organization.

Basic Qualifications:
- Master's Degree in statistics, biostatistics, economics, quantitative finance or related field with
- Problem solving and analytical abilities
- Proficiency in statistical software such as R, SAS, STATA etc.
- Experience with SQL
- Strong verbal and written communication skills and an ability to work in a team environment

Preferred Qualifications:
- Experience with AB testing framework and case control experiment design
- Experience with observational study design and analysis
- Experience with scripting languages and functional programming
- Experiment with applying machine learning, statistical modeling or related analytic techniques
- Experience with Amazon Web Services
- Experience with MapReduce concepts and Hadoop / Elastic MapReduce

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