**Information Management Services Predictive Modelling - London**

**Job Description**

Build predictive models to increase revenue at clients from every economic sector. Predict store performance for retailers, shopping trips and spend for grocers, customer retention for telecoms, and cross-selling opportunities for banks. If you are a top 250 competitor on Kaggle, or have a 1,000+ reputation on stats.stackexchange.com, we are especially interested in talking to you.

**Responsibilities of the position include, but are not limited to:**

**Predictive Modeling**

* + Build high-performance predictive models that generalize well to new data
  + Program in at least one statistical learning language, such as R, scikit-learn, Matlab, or SAS
  + Apply the following algorithms, with a direct focus on increasing revenue and decreasing costs: elastic net regularization for regression, random forests, generalized boosted models, generalized additive models, support vector machines, neural networks, and time-series forecasting
  + Have a slight aversion to R2

**Data Munging**

* + Collect data from a wide variety of corporate databases, including various SQL databases (Microsoft, Oracle, Netezza, etc.), no-SQL databases, Access databases, and Excel files
  + Parse data out of poorly structured XML and invalid HTML documents
  + Use regular expressions to extract information from un-structured text documents
  + Deal with missing data through multiple-imputation or the use of advanced models (e.g. GBM in R)
  + Construct interesting new features that improve model accuracy
  + Automate boring tasks with Python, R, or Linux scripts

**Data Visualization**

* + Tell a convincing story to C-level executives
  + Present complicated technical findings to a non-technical audience
  + Apply tools such as Tableau, Qlikview, or ggplot2

**Work Experience Requirements**

Predictive Modelling Consultants at AlixPartners typically have:

* At least three years of applicable professional and consulting experience
* Strongly motivated to discover and learn new analytical techniques and software tools to improve the quality of our work
* Strong verbal and written communication skills
* Authorized to work in applicable country and travel freely internationally without restrictions or visa sponsorship
* Ability and willingness to work long hours and travel if necessary to meet client demands

**Education Requirements**

A Bachelor’s degree with a concentration in Computer Science, Mathematics, Statistics, Finance, or another quantitative field