Alix Partners

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 [**stat.stackexchange.com**](http://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 the R-squared statistic
* **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 Modeling 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.