Predictive Analytics Director
Location: Reno, NV
http://chc.tbe.taleo.net/chc03/ats/careers/requisition.jsp?org=EMPLOYERSINSURANCE&cws=1&rid=3392

Description
Our Predictive Analytics Director will be under the direction of the SVP, Chief Actuary and will focus on developing predictive analytics throughout the organization to help drive strategic decisions for the business and operations. The ideal candidate will have 5-7 years’ experience within insurance predictive analytics and will have a Bachelor’s degree or higher in Statistics, Applied Mathematics, Actuarial Science, Quantitative Economics or other similar analytical field. This role requires someone with superior knowledge of analytical concepts, the business acumen to determine the right projects to undertake and the ability to articulate model concepts and results. This role will be highly collaborative and require working with representatives of multiple departments to visualize and create a suite of models to improve profitability and efficiency. The candidate must also work well with others as a significant amount of independent interaction with other departments is required.

Essential Duties and Responsibilities:

- Leads and develops predictive analytics/modeling efforts and use of associated analytics/modeling programs.
- Leads, builds and develops a team of modelers to produce effective tools and analytics for EMPLOYERS.
- Creates modeling design, coordinates data pulls, prepares/validates data, performs and validates the modeling and analysis, communicates findings and provides recommendations.
- Identifies and develops new areas to apply predictive modeling and other advanced analytics.
- Works effectively in a team environment with representatives of various business units and Actuarial to produce and implement a future vision of Analytics use at EMPLOYERS.
- Collaborates with IT and business units to oversee implementation of work efforts and provides input to help design, monitor and improve data structures and data warehouses.
- Leads performance of underwriting research through the use of predictive modeling.
- Leads preparation of ad-hoc reports requested by internal customers (e.g. Underwriting, Claims) as well as external customers (e.g. Insurance Departments).
- Provides any necessary predictive modeling support for regulatory filings.
- Manages projects to produce and update models on time, as required.

Job Requirements:

- Must have a Bachelor’s degree or higher in Statistics, Applied Mathematics, Actuarial Science, Quantitative Economics or other similar analytical field. Advanced degree and/or FCAS are preferred.
• Minimum of 5 years’ experience with predictive analytics in the P&C insurance industry, preferably with significant Workers’ Compensation experience.
• Excellent knowledge of relational database structure, programming concepts, external data sources, and experience working with complex data systems.
• Advanced SAS, Emblem, R skills or similar software.
• Advanced Microsoft Excel skills – macro and pivot table creation.
• Excellent problem solving skills.
• Strong data mining and text mining proficiency with data gap and cleansing experience.
• Must be detail oriented and capable of working with minimal supervision.
• Must be independent and creative in analyzing business results, developing appropriate solutions or alternatives to problems and effectively communicating related issues and results to management.
• Must possess effective written and verbal communication skills.