ACTUARY

Job Description:

**Actuaries** use statistical techniques and mathematical skills to assess the probability of an event and its financial consequences. They combine statistics, financial theory, mathematics and business management for the purpose of predicting future events. They work for government agencies, insurance companies, banks, investment firms, hospitals, consulting firms and any business or organization that needs someone to help the operation manage risk. The information brought together by an actuary is used to determine how much an insurance premium should be or the likelihood certain individuals in an age cohort are going to require a certain kind of medical care and when. The information developed by an actuary is used by the employer to minimize the company’s exposure to an adverse event.

Job Responsibilities:

* Studying statistical data for the purpose of creating an analysis
* Creating estimates of probability and likely costs for a given event such as death, natural disaster or sickness.
* Calculating how insurance policies for different types of coverage are likely to pay out
* Generating charts and presenting them at meetings along with explaining the information
* Analyzing reports to determine next steps for the company or client
* Maintain company fiscal confidentiality
* analyzing statistical data, for example of accident rates
* computer modeling of statistics to determine potential risks
* preparing presentations and reports
* communicating findings to clients, managers and stakeholders
* keeping abreast of financial developments in the business world.
* Meet the American Academy of Actuaries Standards

Job Qualifications:

* Masters is statistics required
* Additional masters in Accounting, Finance, business or related field preferred
* Certification by the Society of Actuaries or the Casualty Actuarial Society as appropriate
* Experience as an actuary
* Experience in risk management a plus

Opportunities as an actuary are available for applicants without experience in which more than one actuary is needed in an area such that an experienced actuary will be present to mentor.

Job Skills Required:

* Proficiency in statistical software
* Advanced MS Office knowledge and experience
* Strong analytical skills
* Strong attention to detail
* Awareness of laws and regulations related to finance and accounting
* Knowledge of statistics, probability and calculus
* Strong written and verbal communication skills to clearly relay information to other employees at the company or the client
* Analytical skills to determine specifics of insurance policies and avoid any errors that would lead to negative consequences
* Experience with computers and statistical modeling software
* Knowledge of business and financial concepts
* Organizational skills to keep track of multiple projects or cases at a time
* Awareness of world economics and the state of current financial markets
* Strong understanding of Risk Management