



Pricing

Ratemaking and Price
Monitoring Software

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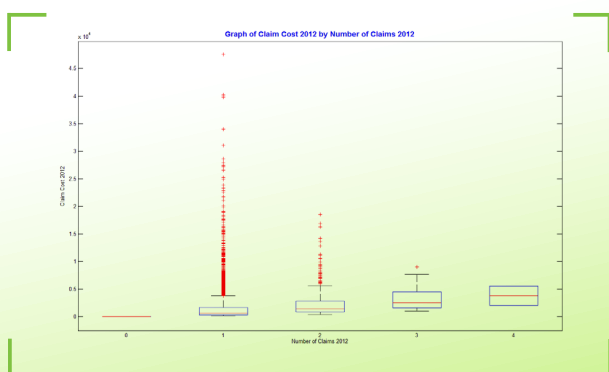
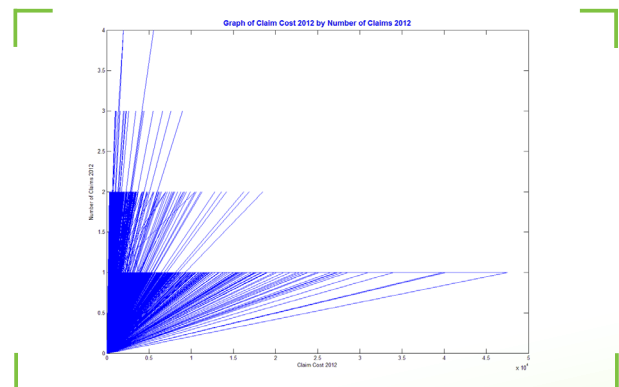
The purpose of this user-friendly software is to allow users to easily determine rates and monitor prices over time, in order to help them set and adjust rates and the respective premiums. This software has been designed to be used by Actuaries and Non-Actuaries.

Data Import

The original database can be imported into the application, which has been designed to accept a series of different formats: Text, Excel, Access, SQL and Oracle. The software will create a data warehouse, which will allow users to perform any type of analysis.

Exploratory Analysis

The software intuitively allows users to perform exploratory analysis, in order to summarize the main characteristics of any set of data. A series of variables of interest may be used to assess frequency rates, average costs, loss ratios and profitability.



Rate Classes

Rate classes can be defined according to user needs. On the other hand, the rate classes stored in the database are generated automatically. This means that users can work with all the rate classes stored in the database or a subgroup of the latter, as deemed convenient. This feature allows users to match rate to risk classes and monitor adverse selection in their portfolios.

Data Filtering

Data filters can be easily created, without the need for additional programming. For example, instead of analysing frequency rates for all claims, this variable can be analysed for claims exceeding a given value. Filters can be applied to all variables, claims and risk-exposure indicators. Data filters generate new variables that will remain available for future analysis.

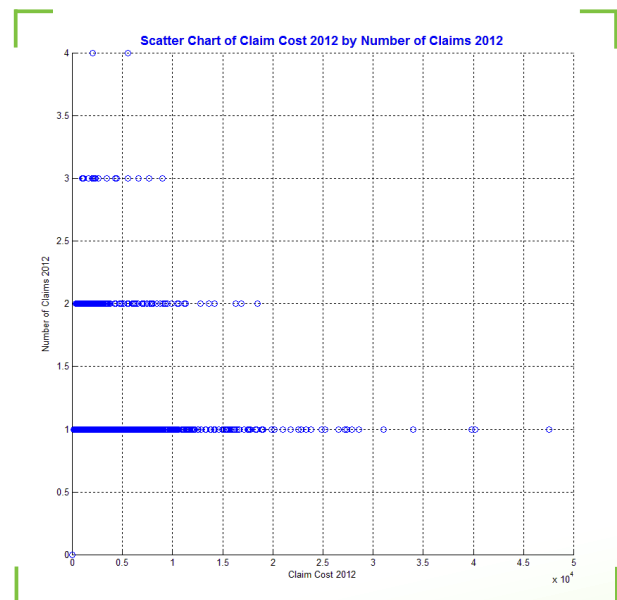
Transformation and Creation of Variables

Users will be able to make changes to the original variables, thus creating transformed variables that will remain available for future analysis. Users will also be able to create predefined formulas for existing variables, as well as new formulas. Together with data filters, these features offer great flexibility, without the need for programming.

Calculations

The application can be used to calculate a series of indicators for all rate classes:

- frequency rate
- average cost
- mean sum insured
- average premium
- pure premium
- pure rate
- theoretical commercial rate
- theoretical commercial premium



Rate Deviations

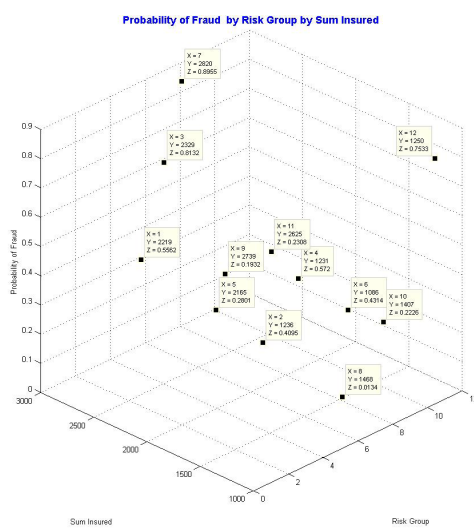
Rate deviations can be automatically determined for different years, by rate class:

- theoretical commercial premium vs actual premium
- theoretical commercial rate vs actual rate

This means that users can trace the origin of positive and negative results by rate class.

Which Rating Factors explains Risk

The software allows users to understand the rating factors that explain the various risk levels, as well as the explanatory power of each rating factor. Users may also combine rating factors in order to analyse eventual interactions. Frequency and average cost data can be analysed for several types of products: death and disability covers for life insurance, vehicle insurance, health insurance, personal accident insurance, workmen's compensation insurance and other types of insurance.



Fraud Analysis

Users will be able to perform statistical analysis on their portfolios for fraud detection purposes, in any line of business. The software allows users to create a risk profile and identify the most relevant rating factors.

Analyses, Graphs and Results Export

Users will be able to export data to an Excel spreadsheet, in order to facilitate results analysis and processing. Graphs can also be exported to Excel or Word.

**Don't waste time doing calculations.
Just think.**

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