

Actuarial

# Modeling Actuary

## Client Type:

Life Reinsurer

## Project Scope:

Rebuilding Actuarial Models

## Duration:

1 Year and 5 Months

## Team Size:

1 Full-Time Actuarial Consultant



## Problem

This large reinsurer was in need of a consultant who could **rebuild actuarial models from the ground up** and complete detailed data and premium validations for each new model. They had generic models for many of the ceding companies, and they wanted to make those models company-specific.



## Response

Jacobson provided a consultant who was well-versed in Excel VBA and coding in other programming languages. This skill set was leveraged to **identify ways to automate** the input/output processes. His additional skills also allowed him to assist with inforce model building to **alleviate strain on the client**.



## Solution

Our consultant quickly applied his understanding of the reinsurance industry and MoSes software, successfully **building models that exceeded client expectations**. He converted automation tools from MoSes into Risk Agility with minimal changes to the front end, which helped ease the transition from one software to another.

Jacobson's consultant significantly improved automation of the inputs, including error checking. He also automated the outputs, **simplifying the process and improving documentation** so the models could be used by the client's employees at another global location. After seeing the quality of this consultant's work, our client **retained our expert to train new team members** on company processes and to directly manage new additions.

JACOBSON

