

**Chief Actuary
The Scruggs Group, Inc.
2020 Long Tail Trail
Argyle, TX 76226-4500**



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Professional and Civic Memberships

Fellow of the Conference of Consulting Actuaries (2015 – Present)
Associate of the Casualty Actuarial Society (2015 – Present)
Member of the American Academy of Actuaries (2015 – Present)

Education

Boston University (2006), Bachelor of Arts (Economics & Mathematics, Cum Laude with Honors)
Boston University (2006), Master of Arts (Economics)

Awards and Recognitions

- ModelOff Gold Class (2013, 2014, 2016, 2017)
- 2014 ModelOff World Ranking #43, Americas Ranking #12
- 2016 ModelOff World Top 20, USA Top 4
- 2017 ModelOff World Rankings #23, Americas Ranking #4 (<http://www.modeloff.com/world-rankings/>)
- 2014 ModelOff Redmond Experience participant <http://www.modeloff.com/gold-class>.

Work Accomplishments

- Constructed optimization engine for mortgage loan coverage assignments and share distribution.
- Developed and deployed cutting-edge factory resource allocation management tool and reporting system for tracking, analyzing, and projecting manufacturing performance.
- Designed and applied a mixed-distribution claims simulation to determine level of risk transfer for a WC reinsurance agreement using industry data based on the projected estimated reinsurer deficit.
- Designed, developed, and implemented TSG's proprietary Consistent Linear Estimate and Accuracy Notification (CLEAN) and Standardized Central Orderly Regression Estimate (SCORE) model.
- Devised, developed, and implemented enhancements to TSG's proprietary Reserve Information + Technical Analysis (RITA) model converting it into a modularized reserving tool utilizing Excel tied to SQL and MATLAB through VBA add-ins with a C# interface.
- Devised, developed, and implemented TSG's Aggregated Normalized Database (ANDy).
- Generated, reviewed, and analyzed TSG's Claims Performance Review (CPR) metrics to find and review trends in claims management practices for a variety of industries including workers' compensation and automobile liability.
- Analyzed loss and loss adjustment expense reserves for insurance companies and self-funded non-insurance entities.
- Performed and supported rate filing reviews for regulatory authorities.
- Performed valuations of insurance entities for acquisitions and mergers.
- Built and deployed multiple productivity add-ins for Excel using Visual Studio Tools for Office (VSTO).
- Provided analytical support and assistance in developing and writing expert witness reports in addition to serving as support for legal counsel during expert witness depositions.

Employment History

THE SCRUGGS GROUP, INC., Argyle, TX
(2017 to Present – Chief Actuary)
(2008 to 2017 – Manager, Actuarial Systems)
(2006 to 2008 – Actuarial Consultant)

Supporting Skills and Interests

- Exceptionally skilled with MS Excel and MS Access, including VBA and VSTO C# development.
- Skilled with MS Excel's Get & Transform/PowerQuery Self-Service BI, PowerPivot, and Microsoft's Power BI business intelligence software.
- Programming experience in Java, JavaScript, TypeScript, C#, VBA, Ruby, T-SQL, Python, and VB6.
- Experience with MATLAB as a calculation tool and a programming language, including library development via C#.
- Highly rated online training instructor for SimonSezIT, Explainly.io, and StreamSkill. Over 20,000 students enrolled across courses covering Excel, VBA for Excel, PowerQuery, and PowerPivot with an average user rating over 4 stars.
- Capable video editor, using screen capture software plus video and audio editing to provide high quality documentation, detailed explanations, and support for a variety of work products.
- Excel add-in author published via the Eloquens financial modelling marketplace.
- Strong background in econometrics with a focus on building and evaluating models.
- Experience designing and managing databases using the Ruby on Rails framework, Entity Framework Core system, and manually through SQL commands.
- Experience using R and Stata for statistical analyses.
- Capable with Microsoft PowerAutomate (formerly Flow) for integrated application connectivity.
- Prior employment in information technology: managed user PCs: servers and file permissions via Active Directory, and managed and developed web-based applications.