



Actuarial & Insurance Solutions

Advanced Quantitative Solutions (AQS)

What is AQS?

AQS is one of the insurance industry's leading data analytics, data mining and predictive modelling consulting practices. Deloitte Consulting LLP are experts at applying predictive modelling to improve insurance and other industry operations around the world. AQS is especially strong in the US General Insurance marketplace with specific expertise in Property & Casualty, Life, Health, Reinsurance, Claims, Underwriting, Producer Management and Mergers & Acquisitions. AQS was recently chosen by the Casualty Actuarial Society to present a limited attendance seminar on predictive modelling.



What does AQS Do?

Put simply, AQS uses such modern statistical techniques as Generalised Linear Models and decision trees to build predictive models. These models help provide operational efficiency, consistency, and rigour to insurance and other industry operations that have traditionally relied primarily on human judgment. Applications include risk selection, pricing, member retention, agency management, and claims management. AQS doesn't stop at insurance, either: the applications in fraud detection, target marketing, and employee retention apply both within and outside the insurance industry.



The AQS Value Proposition

It's all about segmentation. AQS's predictive models help underwriters select and price risks more accurately; help claims professionals manage claims more efficiently and with less expense; and help managers better detect potential fraudsters. Deloitte member firms' models help the experts do their jobs better – they are “eyeglasses for the mind” – and the resulting cost savings and loss ratio improvements can be significant. AQS also offers fully integrated business implementation services, including building a business case that explains the model's value proposition; actually implementing predictive models; and training managers how to work with and interpret the models. In short, AQS can help every step of the way so that leading edge predictive models can become the DNA of key business operations.

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