



Gulf Actuarial Society supported by the Financial Academy and the Institute and Faculty of Actuaries present Introduction to Predictive Modelling Workshop



12 August 2020 at 3 pm GST (4+)



Online

Introduction:

In today's age of big data, insurance pricing models are becoming more dynamic. With better systems, companies are able to capture more comprehensive information about policyholders. Regulators have also taken note of this and now require more sophisticated models. Given all this, traditional pricing methods may be due for an overhaul.

In this workshop, we present the Generalized Linear Model (GLM) - a solution to generating highly interpretable and data-driven rating models. We will introduce how to build, diagnose and interpret your own GLMs in the R programming language by demonstrating a use case on sample motor insurance data. This can be extended to most personal lines such as medical insurance or home insurance.

The workshop is meant to be interactive in nature, enabling participants to build and analyse models in real time along with the instructors. Code & supporting data shall be provided to participants. Participants are expected to attend with their own laptop or PC, loaded with the R software.

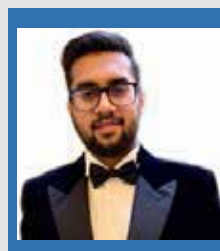
Intended Audience:

Individuals with an interest in predictive modelling and beginner to intermediate proficiency in R and GLMs are encouraged to register, as well as individuals without any R or statistical knowledge may be interested to see what's involved, but may miss details.



Kaloust Sharoyan

Kaloust is a consulting actuary at Lux Actuaries & Consultants. He joined Lux in 2015 and moved to the Dubai office in 2016. He works on Motor and Medical insurance portfolio pricing. Kaloust is involved in developing and optimising pricing code and workflows at Lux. He is an associate of the Society of Actuaries.



Navarun Jain

Navarun is an actuarial analyst at Lux Actuaries & Consultants. He joined Lux in 2018 and works on non-life Reserving, Capital Modelling, Motor and Medical pricing. He is also involved in optimizing the pricing model framework at Lux. Navarun also serves as Vice-Chair of the CAS Machine Learning Working Party and actively contributes to research on Machine Learning methods in actuarial science.