ACTUARIAL SOCIETY OF SOUTH AFRICA

Advancing Actuarial Excellence

ASSA Research Radar

This is a radar of open topics that we have been asked to consider. If you would like to carry out **research** in one of these areas, please reach out to Sandy sgovender@actuarialsociety.org.za

Topic Number	Topic Description
32	The impact of Climate change and natural catastrophes on General Insurers in South Africa (eg hail and flood)
45	The uses and impact of Artificial Intelligence of pricing of General Insurance Products
47	General Insurers and the impact of Cyber risk as a line of business.
48	IFRS17 for General Insurers
49	Impact of Eskom failure on the General insurance industry if it happens
50	Calibration of SAM model (SCR calculation, especially market risk)
61	To what extent are earnings under-reported or over-reported in Census data and Quarterly Labour Force Survey data produced by Statistics South Africa?
62	How well does Statistics South Africa measure employment and economic activity in the informal sector?
63	Is there a difference in the educational outcomes and earnings for children from one-parent versus two-parent households?
64	Critique the throughput rates of school children produced by the Department of Education and how this could be improved by employing actuarial techniques.
73	The current (one-size-fits-all) flat % methodology used for calculating statutory (prudential) reserves and minimum capital requirements for Microinsurers can result in material variation between the regulatory and true values for different entities. Does a better measure (which still facilitates the regulatory objectives) exist?
74	Testing the hypothesis that: The current product range that Microinsurers are allowed to offer is restrictive and therefore inhibiting the proclaimed financial inclusion objective. The range of products that Microinsurers may offer can be widened without having to materially enhance regulation thereby further supporting the objective of financial inclusion.
75	Testing the hypothesis that: The investment restrictions on Microinsurers do not support the objective for its existence and an extension of the allowable range (with adjustments to the capital requirement) will ultimately support the objective of financial inclusion.
77	A guideline of the minimum study benefits of an Actuarial Study Policy
78	The readiness of accredited Universities in South Africa to offer Data Science Applications in their Actuarial Science Program
79	What would a generative actuarial education system look like?
82	Vaccines as a rating factor
83	Value for money

84	Electricity trading