

Magazine of the Institute of Actuaries of India

January 2024



INSURANCE; UNDERWRITING

BAND, BAJAA, BIMA

**HEALTH INSURANCE** 

**CURRENT LANDSCAPE OF HEALTH INSURANCE INDUSTRY IN INDIA** 

MODELLING; PYTHON; EXCEL

**TESTING GOODNESS OF FIT USING EXCEL AND PYTHON** 

SAARCASTIC ACTUARIES

**ACTUARIAL BYTES FROM THE** SUBCONTINENT



# Table of Contents

(Click on the titles to read more)

#### **Editorial**

#### **Letters to the Editor**



### **Band, Bajaa, Bima**

Embark on a journey into the evolving landscape of wedding insurance in India alongside **Priya Agarwal.** Delve into expert insights and captivating analyses as we unravel the intricacies of this vital facet of weddings. Discover the transformative role of wedding insurance in an industry constantly reinventing itself.

### **Current Landscape of Health Insurance Industry in India**

This article provides insights into the Current State of Health Insurance in India in terms of premium growth, distribution channels, market coverage, and future perspectives. Besides that, the article also delves into health insurance companies present in the industry, along with their shares and performance indicators.



### **Testing Goodness of Fit using Excel and Python**

In this case study, **Mansi Aggarwal** helps us understand a method to judge how closely the distribution fits actual data. It explains with a test called Goodness of Fit using examples in Python and Excel, making it easy to understand and use in real life.

# Table of Contents



### **Actuarial Bytes from the Subcontinent**

Are you curious about the latest developments and challenges in the actuarial profession in the Indian Subcontinent? Do you want to learn from the diverse perspectives and stories of actuaries from different countries in the region? If yes, tune in to **Akshay Dhand's** podcast series, where he interviews actuaries from Sri Lanka, Pakistan, Bhutan and Maldives. The first four episodes are now live, with more to come!



Solve this maze by simply going from the entry point to the exit point. Take your time and as many attempts as you want (most importantly, don't give up). They are no more trickier than developing replicating portfolios! Enjoy this brain teaser by the Puzzle master: **Kathan Jain.** 

Manoeuvring Mazes





A new year brings a plethora of opportunities, and we at TAI cannot wait to share all the content our beloved contributors have graciously provided.

Episodes of our latest podcast 'Actuarial Bytes from the Subcontinent' drop every Thursday until February 8, 2024. Catch our host, Akshay Dhand, in a conversation with actuaries based in our neighbouring countries to learn more about their journey, the challenges the actuarial profession faces and its future progression. The first 4 episodes are already live! Have a listen and let us know what you think. #NewYearNewPodcast.

As the wedding season culminates in India, our readers (especially those planning their weddings!) may be surprised to know that insurance can also help indemnify losses due to unforeseen events occurring on the big day. Find out more in our article 'Band, Bajaa, Bima'.

We also recently published an immensely helpful 4-part guide to cracking actuarial interviews. Do share these with anyone looking for a job and help along!

A gentle reminder that the GCA 2024 is happening next month in Mumbai. At the AGFA, we will also be felicitating the best article, best reportage, best non-technical content pieces, and a few surprise awards. We look forward to welcoming all our readers and interacting with you all soon. Registrations are now open here.

Thank you for all your love and support in the TAI journey so far, and please read, share, and contribute.

Kathan "KJ" Jain

**Editor, The Actuary India** 

Magazine of the Institute of Actuaries of India

## **Our Team**





Kunj Behari Maheshwari Chief editor

Kunj Behari Maheshwari is a partner at Willis Towers Watson Actuarial Advisory LLP and the Head of Life Insurance consulting for India and Sri Lanka within WTW's Insurance Consulting and Technology division.

He is passionate about actuarial work, research and volunteers regularly towards initiatives at the IAI. He enjoys swimming and being outdoors.

# **Prakhar Mody** Editor

Prakhar is a qualified actuary with extensive experience in financial risk management and technology transformations having worked with banks, insurers, financial institutions and corporate clients across the globe.

He is also an avid gamer with an interest in fictional novels and trekking.

# **Anirudh Bansal** Editor

Anirudh is the founder of InsurTech Actuary and is a General Insurance Actuary. He is passionate about microinsurance, innovation and InsurTech startups.

### Rajeshwarie lyer Editor

Rajeshwarie lyer is working as the VP, Head Specialty Bangalore for SwissRe Global Business Solutions. She is a Fellow of the Institute of Actuaries of India and the Institute and Faculty of Actuaries UK. Rajeshwarie has worked in General Insurance in reserving, pricing and regulatory reporting and is currently underwriting reinsurance.

She volunteers actively for the profession and is a classical dancer who enjoys swimming, blogging and reading.

**Kathan Jain** Editor

Kathan works at Ankolekar & Co. as a senior associate. He's obsessed with food and enjoys binge-watching & solving puzzles in his free time.



Ekta Mehta is an associate actuary currently involved in with-profits and experiences analysis-related tasks throughout the year. She spends her free time solving large-sized jigsaw puzzles, volunteering in several actuarial capacities and helping young adults to enhance their communication, speech & drama skills.

The Institute of Actuaries of India (IAI) is a statutory body established under The Actuaries Act 2006 (35 of 2006) for regulating the profession of Actuaries in India. The provisions of the said Act have come into force from the 10th day of November 2006, in terms of the notification dated 8th November 2006, issued by the Government of India in the Ministry of Finance, Department of Economic Affairs.

The Actuary India is the flagship magazine of the IAI that has been in publication

for over two decades. We aim to provide our members and the larger actuarial

community a platform to connect, exchange views and promote thought-leadership and research beneficial to the profession.