



Institute of Actuaries of India

Statutory body established under an Act of Parliament

Unit No. F-206, 2nd Floor, F Wing, Tower II, Seawoods Grand Central,
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1st September 2026

18th Webinar on Data Science and Analytics

Institute of Actuaries of India (IAI) is pleased to announce the 18th Webinar on Data Science and Analytics, hosted by the Working Group on AI & Data Science.

Date: 22nd September 2026, Tuesday

Time: 11.30 am – 1 pm

Topic: Elevating Insurance Risk Assessment: Machine Learning for Underwriting & Risk Prediction

Abstract: We will explore how machine learning is being applied across the life insurance value chain to enhance underwriting and risk assessment. Topics include mortality prediction, risk triage, accelerated underwriting, model governance, and balancing AI-driven insights with human underwriting judgement. Practical case studies will demonstrate how insurers are leveraging machine learning to improve decision-making and operational efficiency.

Learning Outcomes: Participants will:

- Understand key machine learning applications in underwriting and risk prediction
- Explore practical insurance use cases and implementation considerations
- Identify opportunities to enhance underwriting efficiency and risk selection

Target Audience: Fellows, Associates, Affiliates, students across domains, risk professionals, and data science and analytics practitioners within insurance.

Moderator: **Ms. Arunima Sinha FIAI**, Lead North America Data & Analytics, Chubb

Ms. Arunima Sinha leads the data and analytics solutioning for North America from Chubb India. A qualified actuary by profession and an analytics leader, she champions the cause for data-driven decisions and frictionless compliance.

Speaker: **Mr. Zhou Zhuowen**, Manager, R&D, Pacific Life Re

Mr. Zhuowen Zhou, FIA, has eight years of experience across the UK life insurance and reinsurance industry. His expertise spans pricing, actuarial modelling, data analytics, and the application of machine learning to insurance challenges. As part of Pacific Life Re's Strategic Analytics team, he leverages large-scale insurance and health datasets to generate actionable insights and develop innovative solutions that support actuarial decision-making and risk assessment. He works closely with the team supporting Pacific Life Re's partners in India, helping to bring data-driven insights and analytics capabilities to the market.

Program Schedule

Sr. No.	Session	Speaker	Time
1	Introductory Address	Ms. Arunima Sinha , Chairperson, Working Group on AI & Data Science	11:30 am to 11:40 am
2	Elevating Insurance Risk Assessment: Machine Learning for Underwriting & Risk Prediction	Mr. Zhou Zhuowen , Manager, R&D, Pacific Life Re	11:40 am to 12:55 pm



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3	Closing Remarks	Ms. Arunima Sinha , Chairperson, Working Group on AI & Data Science	12:55 pm to 1:00 pm
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Registration Fees excluding GST (INR)

IAI Students & Associates	IAI Affiliates & Fellows	Non-Members
500	750	750

Registration Link: <https://bit.ly/3R84faU>

CPD Credit: As per APS9 (Version 4): 1.5 hrs (Technical – Any one practice area)

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