



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,
Plot no R-1, Sector 40, Nerul Road, Navi Mumbai - 400706
+91 22 6243 3333 +91 22 6243 3322

3rd Seminar on Data Science and Analytics 27th July (Saturday) Bengaluru



Sunil Sharma, FIAI, FIA
President
Institute of Actuaries of India (IAI)

Sunil Sharma is President of the Institute of Actuaries of India. Sunil is a qualified Actuary and a Fellow Member of Institute of Actuaries, UK (FIA) and Institute of Actuaries of India (FIAI). With close to 29 years of diversified experience in the insurance and reinsurance sector, Sunil has worked across India, USA, UK and Singapore. Sunil Sharma is currently the Appointed Actuary and the Chief Risk Officer for Kotak Mahindra Life Insurance Company India Ltd. Prior to joining Kotak Life, he has worked in various positions with ICICI Prudential Life, Swiss Re, GE Financial Assurance Holdings, Inc. and Life Insurance Corporation of India. Sunil proactively contributes his domain knowledge and expertise to the industry. He has been a regular speaker on various forums like Global Conference of Actuaries, Seminars conducted by CII and other industry bodies. Sunil has served the IAI Council in various capacities. Recently, as the Chairperson of Wider Field Committee (WFC) he envisioned creating employment opportunities for actuarial personnel, specifically for students, in areas other than traditional insurance and pension areas.

He endeavor to grow the profession beyond the traditional areas, increase rapport and forge stronger connect with Actuarial profession globally and better coordination with Insurance, Pension and Market regulators.



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Session 1: Math Men, not Mad Men
Presented By: John Taylor



John Taylor
President of the Institute and Faculty of Actuaries
Partner, Hymans Robertson

John is the current President of the Institute and Faculty of Actuaries. Prior to joining Hymans Robertson, John spent most of his career in executive level roles with a variety of product providers, including as Managing Director at NEST. After gaining a B.Sc. and Ph.D. in Pure Mathematics from The University of Glasgow, he started his career as a trainee actuary at Standard Life in 1994. Since qualifying as an actuary, John has focused on marketing and distribution in pensions, savings and insurance. John is a partner at Hymans Robertson LLP, based in their Edinburgh office, and is working in what's commonly described as "robo-advice". In essence, this involves making actuarial modelling accessible and meaningful to consumers as they seek to understand financial choices open to them.

Session 2: Use cases of Financial Data Science techniques in Retail Analytics
Speakers: Sudipto Pal



Sudipto Pal
Staff Data Scientist
Walmart Labs India

Sudipto has 13 years of experience in Statistical Modeling and Data Science. Sudipto has worked as a predictive modeling expert in the Actuarial Science domain in the Insurance Industry (with Swiss Re, AIG) for 8+ years, and in the Retail and Marketing Analytics domain (with Walmart Labs) for 3+ years. He has built and productized various models hands on for the Insurance business which have been used for Pricing, Underwriting, Reserving, Risk Management, Campaigning etc. He has built Machine Learning based products for retail which have been used for Marketing, Customer Analytics, Cashflow Modeling, and Budget Allocation. Sudipto has led a predictive modeling team as a Manager and Director for 3 years in AIG. He is currently working as a Staff Data Scientist with Walmart Labs. Sudipto did his B Stat and M Stat degree from the Indian Statistical Institute, Kolkata. Sudipto has used his expertise in Statistics, Economics, Finance and ML to ensure successful adoption of Statistics and ML in Insurance and Retail products.



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Session 3: Augmented Intelligence and its potential for actuaries
Speakers: Sandeep Patil & Dr. Prasanna Srinivas V



Sandeep Patil
Director & Lead Actuary
Spraoi

Sandeep is a seasoned Analytics and Actuarial professional with 17+ years of experience in the US, UK, India, and other global insurance markets. He is a Fellow of the Society of Actuaries (FSA) and the Chartered Enterprise Risk Analyst (CERA). He is working as Director and Lead Actuary at Spraoi.ai, a US based AI firm. His firm is helping global Insurance clients in serving Actuarial and Analytics solutions such as building advanced predictive models to solve key business problems in underwriting, claims, and customer's engagement areas.



Dr. Prasanna Srinivas V
PhD, VP Cognitive Machine Learning
AntWorks

Dr. Prasanna is a seasoned data science leader with over 14 years of post-PhD industry experience in solving advanced analytics problems in the domains of credit risk, fraud analytics (banking and insurance) and financial crime using cutting edge machine learning algorithms. He has Managed teams in involved in the development, validation and audit of advanced analytics models for international clients in the domains of banking and insurance. His previous engagements were with EY, FICO and IBM. He holds PhD and MS degrees from the Indian Institute of Science. He has published papers in scholarly conferences and journals.



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Session 4: New age analytical techniques and technologies to improve organizational Risk culture
Speakers: Srijan Raychauduri



Srijan Raychauduri
Director
Acies Consulting

Srijan is a Director with Acies Consulting LLP leading solutions in the analytics and risk technology domain. He has over ten years of experience working with leading financial services institutions in India, Middle East, Hong Kong, Singapore, UK & USA. Prior to his association with Acies Consulting, Srijan has been associated with Deloitte, PWC, Citigroup and EY and served Indian as well as global clientele like HSBC, Metlife, Bank of America, Kotak Mahindra Bank and Indusind Bank. Srijan has completed Masters in Quantitative Economics from Indian Statistical Institute, Kolkata, and Post Graduate Program in Management from Indian School of Business. Srijan specializes in analytical modelling and data management and has assisted leading Indian and global Banks and Insurers in design and implementation of transformation initiatives ranging from advanced analytical framework setup, enhancement of business processes through technology adoption, set up of risk data governance framework and implementation of analytical applications. Recently, he has been involved in developing Banking applications, which leverage new age open-source and cloud-based technologies to significantly improve performance of risk and business analysis. He has also been assisting clients with risk framework enhancement through implementation of analytical applications on Asset Liability Management and IFRS 9.

Session 5: Actuaries in the Gaming Industry - Experience Sharing
Speakers: Sumit Ramani



Sumit Ramani
Consulting Actuary
Actuarial Consultants

Sumit Ramani is an Information and Communication Technology (ICT) engineer turned actuary. He has over a decade of experience in (re)insurance industry with a focus on Life and Health insurance and has worked with stakeholders/clients across the globe including Americas, Europe, Australia and Asia. Sumit has been unconventional in his approach to life. This could possibly explain why he has been attracting unconventional assignments since he started on his own. His first assignment was to help a gaming



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company enter the insurance market. Luckily, it turned out it was first amongst many that followed and he now focusses on helping InsurTechs collaborate with re/insurers. Currently, he is also helping a gaming company design their betting engine using actuarial techniques! Sumit is a seasoned speaker and has been invited to deliver talks in several local and international actuarial and insurance conferences. He is a Fellow member of IAI and IFoA.

Session 6: Actuarial Profession in Industry 4.0 and beyond

Moderated By: Mahidhara Davangere

Panelists : Sunil Sharma, John Taylor, Dr. K. Sriram & Subhash Chandra



K. Sriram
Consulting Actuary

K. Sriram is a Consulting Actuary engaged in Employee Benefits Consulting Practice. He is also Consulting Actuary to Genpact India, the largest business process outsourcing company in India. From January 2010 to April 2012, Sriram was the Appointed Actuary of Max Bupa Health Insurance Company. Between 2002 to 2006, Sriram was the Chief Actuary & Appointed Actuary of MetLife India Insurance Company. Sriram is a Fellow Member of the Institute of Actuaries of India. He has a Post Graduate Diploma in Management from the Indian Institute of Management, Bangalore and a Doctorate Degree in Management from the Bharathidasan University. He is also an Associate Member of the Institute of Cost & Management Accountants of India. Sriram has been a member of the committee constituted by IRDA [Insurance & Regulatory Development Authority of India] on "Macro Prudential Surveillance of the Insurance Sector" and the Chairperson of the Committee constituted by IRDA on "Economic Capital for the General Insurance Industry in India". Sriram has also been a member of the Committee on "Road Map for Risk Based Solvency Approach in Insurance Sector" constituted by the IRDA and the Chairperson of the sub-committee constituted by IRDA to examine the capital requirements for market risk. Sriram was an Adjunct Faculty Member at IIM, Bangalore where he taught a course on "Insurance & Pension Funds" in the Post Graduate Program. His current research interests within Insurance are Economic Capital and ERM [Enterprise Risk Management]. He has published a number of papers in the areas of Insurance, Employee Benefits & Investments. He has authored a book on "Leasing, Hire Purchase & Factoring".



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Subhash Chandra
Country Head
Blueprism India & South Asia

Subhash Chandra has over 19 years of experience working in the information technology field. He has worked for the best tech majors in the world, likes of IBM, SAP, Google & Singular before joining Blueprism as India Head : Client Engagement almost 9 months back. Before joining Blueprism he was the Managing Director of Singular Labs Inc. a disruptive marketing analytics platform across India & South Asia. Subhash comes with a vast experience of working for best companies and most disruptive technologies like Analytics, Cloud, AI & ML, Marketing Analytics and now on RPA. In his current role he is responsible to drive business for Blueprism's Digital Worker Platform across Indian Subcontinent.



Mahidhara Davangere V.
Founder & Managing Director
Pramartha

Mahidhara is the Founder and Managing Director of Prammartha - an Actuarial Risk Management and Consulting firm Head quartered in Bangalore, India with offices in Malaysia, South Africa, UAE, and US. He focus on the wider applications of Actuarial Science like Data Science, Analytics Finance and Investment. He have been advising Venture Capitalists and Angel Investors on exit planning using various actuarial risk modeling techniques. Prior to this Mahidhara have over 14 years of experience in Research and financial valuation covering industries like Banking, Insurance and financial sectors across India, Australia South Africa and other emerging African markets he also worked with Citi Bank, Ocwen financials and Atom Funds Management. Mahidhara graduated BSc in Physics, Mathematics and Computer Science from Bangalore University and pursued MBA from Christ University. Subsequently he also pursued MSc in Mathematics and Masters in Finance and Control (MFC) and later introduced to the field of Actuarial Science which he found very interesting. He qualified as an Associate Actuary from IFoA in 2013 and he's also the Associate Actuary of Institute of Actuaries of India.

Currently He is serving as a Council Member, Institute and Faculty of Actuaries, IFoA, since Feb 2019.

He is part of International Actuarial Association (IAA) as Member of Big Data Working Group, since June 2017 and IFoA Finance and Investment Board, International Member (International strategy and Promotion) since 2015 and Chair for their Global Strategy Working Party, Chairman, Working Group on Wider Areas of Actuarial Science, Institute of Actuaries of India, Secretary of Actuarial Consulting Congress of Asia (ACCA) a sub-committee of International Actuarial Association (IAA), Member, IAA Asia Sub Committee, Marker for Financial Economics, CT8 and Modeling and Documentation CA2, in Institute of Actuaries of India since 2014, Volunteer Member of Work stream 3 in MAID Working Party, Member of TAS 100 Working Party on behalf of



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the Finance and Investment Board, IFoA, Speaker at IFoA Asia Conference 2016, Kuala Lumpur, IFoA Asia Conference in 2017, Hong Kong, IFoA Asia conference 2018, Bangkok, South Asian Actuarial Conference, Colombo June 2017, IFoA Virtual Data Science Webinar, 2019 Mathematical Advisor in Scientific Review Committee, a National level Committee set up by Department of Science and Technology Government of India, Regional Co-ordinator for ASEAN Countries and Bangladesh during Indian Science Congress 2014.