



# 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  
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18<sup>th</sup> October 2022

## 12<sup>th</sup> Webinar on Data Science and Analytics

The Institute of Actuaries of India (IAI) is pleased to announce 12<sup>th</sup> Webinar on Data Science and Analytics hosted by the Advisory Group on Data Science and Analytics.

**Date:** 05 November 2022, Saturday

**Time:** 3:00 pm to 5:00 pm, IST

**Topics:**

i. **Application of Machine Learning to Catastrophe Modelling**

Today's insurance industry is undergoing unprecedented change driven by market forces and technology. As a result, massive amounts of data are being generated, and data science increasingly enables advances in catastrophe modeling. Since its inception, the catastrophe modeling industry has primarily focused on statistical techniques, but now it is ready to explore the possibilities with advances in ML.

As ML is expanding rapidly with more data availability and new algorithms development, modeling with deep learning will be more accurate and flexible. In addition, natural disasters are increasing, and hence highly reliable models are the need of the time. With the advancement in Quantum Computing, which will increase computing power exponentially, complex models with self-learning will be the way forward in Catastrophe modeling.

In the session, Shailesh Dhuri, CEO of Decimal Point Analytics, will brief the audience on how ML holds the key to transforming the industry for the better.

ii. **Applications of Text Mining in BFSI sector**

In today's world, technology is heavily ingrained in every aspect of daily life. The exponential growth of technology has changed almost every part of modern life, from making phone calls to sending satellites into space. Because of the exponential growth in the amount of data and information that is sent over the Internet, it is now essential to have systems in place that can evaluate the data and determine how to put it to the most beneficial use. There are many algorithms that can be used to analyze the available data. Some of these algorithms are related to machine learning and deep learning (DL).

Since the beginning of human civilization, finance has always been an important part of daily life. It is interesting to note that data has always been related to money, including transactions, accounts, pricing, and reports. This has been the case for everything from barter systems to cryptocurrencies. The field of finance has seen a meteoric rise in the amount of unstructured



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textual data. The use of text mining to do this has a great deal of promise. Text mining could have a big effect on a number of financial applications, some of which we will try to look into in this session.

**Target Audience:** Fellows, Associates, Affiliates, Students across domains, All the analytics & technology professionals, CTO's, CRO's, Consultants, Academicians.

**Moderator:** Mr. Manoj Kumar, Secretary, Advisory Group on Data Science and Analytics

## Program Schedule:

Sr. No	Sessions	Speaker	Time
1	Introductory Address	Mr. Manoj Kumar, Secretary, AGDSA, IAI	03:00 pm to 03:05 pm
2	Presidential Address	Mr. R Arunachalam, President, IAI	03:05 pm to 03:10 pm
3	Application of Machine Learning to Catastrophe Modelling	Mr. Shailesh Dhuri, CEO, Decimal Point Analytics	03:10 pm to 04:00 pm
4	Applications of Text Mining in BFSI sector	Mr. Vamsidhar Ambatipudi, Associate Professor, BITS Pilani	04:05 pm to 04:55 pm
5	Closing Remarks & CPD Test		04:55 pm to 05:00 pm

## Registration fees excluding GST (INR)

IAI Students & Associates	IAI Affiliates & Fellows	Non Members
750	1000	1000

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

CPD Credit: as per APS9 (Version 4): 2 hrs (Technical - Any one practice Area)

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