EAA Web Session
Applying & Governing AI in Actuarial Work: Implications Assessed

12 November 2025 | 10:00-12:00 CET | online

Introduction

Applying and Governing AI Applications, Including an Assessment of their Implications within the Actuarial Work
Artificial intelligence (AI) is a topic of increasing relevance in our societies, especially regarding its applications within the insurance industry and actuarial work. While it presents certain risks, it also offers numerous opportunities. This session will provide an overview of the types of risks associated with AI, highlight key risk management practices, and explain how these can help actuaries navigate the evolving landscape of AI responsibly. In addition, the session will cover a range of methods to assess the implementation of AI across a model's lifecycle—including data handling and disclosure management. These elements will be linked to actuarial standards of practice, professionalism, and ethical considerations. The first part of the session will also address current regulatory developments and draw connections between traditional approaches to governing complex models and emerging frameworks for governing AI.

The online seminar will explore selected AI applications relevant to the actuarial profession, focusing not only on potential use cases but also on how actuaries can responsibly design, validate, and monitor AI models. Participants will learn how to build compelling business cases for AI initiatives and understand where actuarial expertise offers unique value in ensuring model quality, transparency, and alignment with ethical and regulatory standards. By combining technical actuarial skills with a deep understanding of AI methodologies, actuaries can play a key role in shaping and governing AI solutions, thereby creating significant value in a rapidly evolving landscape.

Finally, the session will explore how to move from a general definition of harm to effectively detecting and managing it. It will incorporate both legal and quantitative perspectives—an approach especially valuable when addressing significant harm in AI systems. This will help bridge the gap between legal definitions and statistical evidence.

Participants

This web session is intended for actuaries, statisticians, IT professionals, and data scientists who are interested in learning how to govern and implement AI systems within their

organizations and fields. Although particularly relevant for those involved in model development, validation, governance, or regulatory compliance, the session will primarily focus on the financial sector—especially professionals in insurance and risk management who seek to deepen their understanding of AI and its implications. A foundational knowledge of actuarial principles and a general familiarity with data-driven modelling will be beneficial. While no prior expertise in AI is required, a willingness to engage with both technical concepts and ethical frameworks will enhance the learning experience.

Purpose and Nature

The web session will provide a better understanding of what it takes to implement AI models in practice, covering topics relating to definitions of AI and models, risk management practices, infrastructure set-ups and implementation standards.

The participants will build a tool-kit of knowledge that will help them address an array of business cases in practice. The session will also help in increasing the know-how of implementing AI models, their impact within the organisations, given their challenges around explainability to the stakeholders, potential harm and relevance as a whole.

Language

The language of the web session will be English.

Lecturers

Jonas Hirz
Dr Jonas Hirz is Principal at Boston Consulting Group in Vienna, leading global strategy initiatives and large-scale transformations for insurance companies globally. He chairs the AI and data science working group at the Austrian Actuarial Association (AVÖ), serves on the leadership team of the Actuarial Association of Europe's (AAE) AI and data science working group, and is a member of EIOPA's Consultative Expert Group on "Data Use in Insurance".

Claudio Senatore Reso
Claudio is a distinguished actuary who serves as Sr. Global Insurance Solution Leader within the Risk, Fraud and Compliance Solutions team at SAS Institute. As a dedicated member of the Italian Actuarial Association, he actively collaborates with both the International and European Actuarial Associations especially in the Data Analytics and AI areas, he is Vice – Chair of the Data and AI Working Group of the Actuarial Association of Europe. With a diverse background in consultancy, direct insurance, and reinsurance, Claudio's expertise spans multiple domains, including Insurance Data Analytics, Property & Casualty Ratemaking, as well as Explainable and Ethical Artificial Intelligence.

Bogdan Tautan

Bogdan has a background in economic cybernetics and actuarial sciences, currently active as a Senior Reinsurance Actuary at Achmea Reinsurance, in The Netherlands. His role centers around managing and designing risk transfer solutions, and leading programs aimed at enhancing organizational efficiency through the refinement of actuarial quantitative tooling, data, and IT infrastructures. As a qualified actuary, acknowledging the importance of contributing to the progress of our profession, he actively engages in various committees and working groups, both at the national and international levels. This involves membership in the Actuarial Data Science and Professionalism committees at the Royal Dutch Actuarial Association. Additionally, he has the role of Chair of the Risk Management committee and of co-Vice Chair for the Artificial Intelligence and Data Science working group at the Actuarial Association of Europe (AAE). In addition, he is a member of the Task Force on AI – chairing the AI Adoption Framework workstream, and a member of the Professionalism committee, as part of activities conducted by the International Actuarial Association (IAA).

Preliminary Programme

Wednesday, 12 November 2025

10:00-10:35	Structure of AI models and risk management methods
10:35-11:05	AI applications relevant to actuarial profession
11:05-11:40	Quantifying harm in AI, laws and statistics
11:40-12:00	Q&A

All the above times are given in CET (Central European Time).

Fees & Registration

Early Bird Registration Fee (until 1 October 2025):

- For private customers in the EU: €150.00 + VAT of the billing country (example Germany: €178.50 incl. 19% VAT)
- For private customers outside the EU: €178.50 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €150.00 (net, reverse charge applies)
- For businesses in Germany: €178.50 (incl. 19% VAT)

Regular Registration Fee (from 2 October 2025):

- For private customers in the EU: €195.00 + VAT of the billing country (example Germany: €232.05 incl. 19% VAT)
- For private customers outside the EU: €232.05 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €195.00 (net, reverse charge applies)
- For businesses in Germany: €232.05 (incl. 19% VAT)

Important VAT Information:

- For private customers with a billing address in an EU country: VAT will be charged at the applicable rate in the country of the billing address. The final amount, including VAT, will be calculated upon invoicing.
- For customers with a non-EU (third country) billing address: Only a non-company billing address is accepted for VAT compliance reasons. 19% VAT applies to all non-EU private customers.
- For businesses within the EU (excluding Germany), Iceland, Liechtenstein, Norway, Switzerland, and the UK with a valid VAT ID: The reverse charge mechanism applies (net price; VAT will not be charged). Please ensure your valid VAT ID is entered correctly during registration.
- For all customers with a billing address in Germany: 19% VAT applies.

Please submit your registration using this online form. Closer to the event, you will receive further login details to join the web session.

Your registration is binding. Cancellation is only possible up to 2 weeks before the first day of the event. If you cancel later, the full participation fee is due. You may appoint someone to take your place but must notify us in advance. EAA has the right to cancel the event if the minimum number of participants is not reached.

We will send you an invoice via email. Please allow a few days for handling. Please always give your invoice number when you effect payment. All bank charges are to be borne by the participant.

Registration is open until two working days before the web session. If registration has already been closed for this web session, please call us or send an email to contact@actuarial-academy.com in order to find out whether a late registration is still possible.

Technical Requirements

Please check with your IT department if your firewall and computer settings support web session participation (the programme Zoom will be used for this online training). Please also make sure to join the web session with a stable internet connection.

CPD

For this web session, the following CPD credits are available under the CPD scheme of the relevant national actuarial association:

Austria:	2 points
Belgium:	2 points
Bulgaria:	3 points
Croatia:	individual accreditation
Czechia:	2 hours
Denmark	2 credits
Estonia:	2 hours

Finland:	2 points
France:	12 points
Germany:	2 hours
Greece:	3 points
Hungary:	2 hours
Iceland:	2 credits
Ireland:	2 hours
Italy:	individual accreditation
Latvia:	2 hours
Lithuania:	2 hours
Netherlands:	approx. 2 points (individual accreditation)
Norway:	2 points
Poland:	2 hours
Portugal:	2 hours
Serbia:	2 hours
Slovakia:	individual accreditation
Slovenia:	individual accreditation
Spain:	CAC: 2 hours, IAE: 2 hours
Switzerland:	individual accreditation
USA:	SOA (Section B): up to 2.4 hours

No responsibility is taken for the accuracy of this information.