european actuarial academy

ANNOUNCEMENT

EAA Web Session
Actuarial Data Science – Immersion

23-25 March 2026 | 9:00-17:00 CET | online

Organised by the EAA – European Actuarial Academy GmbH in cooperation with the Aktuarvereinigung Österreichs (AVÖ).

This is part three of four courses (seminar and exam) to obtain the additional title Certified Actuarial Data Scientist by the AVÖ and/or DAV.

Participants who do not hold an AVÖ or DAV membership have also the opportunity to obtain a newly established *EAA Certificate in Actuarial Data Science* by taking part in all four modules and the corresponding exams.

In addition, all courses are open to interested actuaries to deepen their knowledge and skills in the field of Actuarial Data Science (without exams).

Introduction

Due to technological progress in connection with Data Science and Digitalization, summarized under the buzzword Big Data, a plethora of opportunities and challenges for the industry is arising.

Technological developments have now also reached the insurance industry and thus have a direct impact on the working world of actuaries.

Under the heading *Actuarial Data Science*, the procedures and methods of data mining are embedded in the actuarial context. These range from mathematics-driven statistical methods for derivation of insights from data to computation-driven methods sometimes summarized as machine learning. As a result of almost unlimited computing capacity through cloud computing and wide availability of training data, tried and tested methods of machine learning, such as artificial neural networks, are experiencing a renaissance in theory and practice.

This web session is the third part of a four-part series at the German Actuarial Association (DAV). In this online training, we will expand on and deepen some of the topics already known from the basic and advanced trainings, discussing further important techniques in the context of deep learning and providing further theoretical foundations. It is based on the learning objectives of the DAV for Actuarial Data Science Immersion, which is part of the actuarial training in Germany.

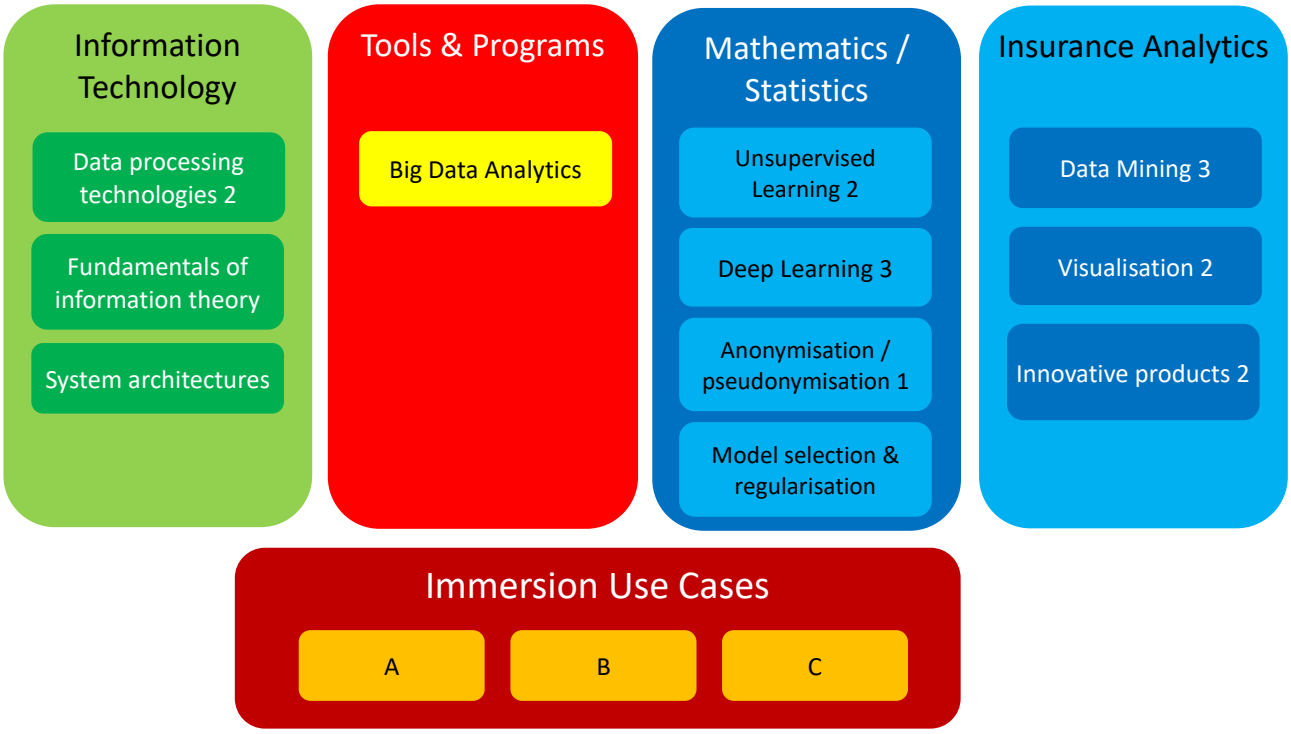
Participants

This web session is suited for actuaries (and actuaries in training), interested persons and for everyone who wants to get to know the topic (more precisely). Previous knowledge in Actuarial Data Science is helpful, but **not** mandatory. A solid mathematical education is necessary to follow some of the concepts that will be presented. A laptop is not necessary but can be helpful.

Purpose and Nature of part 3: Actuarial Data Science - Immersion

Based on the building blocks known from Basic and Advanced, we want to deepen some topics and present further important topics from the field of Actuarial Data Science.

In this three-day training, we cover a wide range of topics including an advanced introduction to the concepts and terms of artificial intelligence, concepts of information theory, aspects of data protection, some mathematical and statistical concepts, as well as insights into innovative products (with a special look at insurance companies). On our way, we touch different use cases in the actuarial environment.



Language

The language of the seminar will be English. The exams will be, by your preference, in German or English. Please choose the language during the booking process.

Lecturers

Wolfgang Abele

joined Deloitte 2018 as Senior Manager in the actuarial Non-Life team. He has more than 18 years of experience in the consulting and insurance industry, having worked for HDI Versicherung AG, MSG Consulting und Allianz. Before he joined Deloitte Wolfgang was head of the unit Reserving & Reinsurance. Throughout his career, he was involved in a large number of actuarial projects, in pricing, reserving (IFRS, local GAAP, Solvency II), internal modelling and risk management. His focus was on predictive modelling, analytics, and process optimization. He has extensive knowledge in the programming language R and gives seminars on actuarial data science for the Deutsche Aktuar-Akademie (DAA).

Dr Lukas Best

is a certified actuary (DAV) and works as the lead data scientist at SV SparkassenVersicherung in Stuttgart, Germany. The focus of his work lies on both the development and productive deployment of statistical and machine learning models in SV's big data ecosystems. Before joining SV in 2019, Lukas worked at the Institute of Finance and Actuarial Science (ifa) in Ulm as a senior consultant on data analytics. He is a lecturer for the German certification programme on actuarial data science for the DAA.

Dr Axel Kaiser

is a mathematician and actuary (DAV) at SIGNAL IDUNA Krankenversicherung a. G. He is the appointed actuary for health insurance and member of the DAV committee for actuarial data science.

Dr René Külheim

is a mathematician and actuary (DAV) at PTA GmbH, where he heads the artificial intelligence department. In addition to data science-based project work in the financial sector, he is responsible for cloud-based software products with AI components.

Dr Zoran Nikolić

is a certified actuarial data scientist (DAV) working at B&W Deloitte in Cologne. For years he has lectured on actuarial, risk management and machine learning topics for DAV and the University of Cologne. In addition, he is a lecturer with the German Actuarial Academy (DAA) for Actuarial Data Science and member of the Committee Actuarial Data Science of DAV.

Dr Antonia Schöning

is a mathematician and actuary (DAV). She is working as a senior data scientist at Siemens Smart Infrastructure, developing AI applications and maintaining machine learning in operations for the energy sector.

Dr Jan-Philipp Simen

studied business and economics (Wirtschaftswissenschaften) first at TU Dortmund and then at the University of Hohenheim. There he received his doctorate in 2015 with a dissertation on "Estimating operational cost functions with artificial neural networks". Dr. Simen was a data scientist at Volkswagen AG from 2015 to 2017. Since 2017 he has been working at Carl Zeiss AG in Munich. As a senior ML engineer, he is responsible for a cloud application for deep learning and computer vision used throughout the ZEISS group.

Prof Dr Fabian Transchel
holds the endowed chair of e+s Rück for Data Science at Harz University of Applied Sciences, Wernigerode, Germany. He's an avid proponent of Machine Learning and Artificial Intelligence in the insurance sector and has been instrumental in innovating motor insurance through telematics technologies, these days also teaching Actuarial Data Science for DAA and EAA.

Prof Dr Christian Weiss
teaches mathematics, statistics and artificial intelligence at Ruhr West University of Applied Sciences. After completing his PhD studies in Bonn and Frankfurt, he worked as an actuary in risk management before returning to academia and finishing his habilitation. He has published more than 35 papers and four books in various areas of mathematics including data science, probability theory and financial and actuarial mathematics. Moreover, he works as a part time consultant in the insurance industry at Deloitte.

Preliminary Programme

Monday, 23 March 2026

09.00 – 09.15	Introduction & welcome
09.15 – 10.00	Information Technology – Data processing technologies 2
10.00 – 10.45	Information Technology – Data processing technologies 2
10.45 – 11.00	Break
11.00 – 11.45	Mathematics & Statistics – Anonymisation / pseudonymisation 1
11.45 – 12.30	Information Technology – System architectures
12.30 – 13.30	Break
13.30 – 14.15	Insurance Analytics – Visualisation 2
14.15 – 15.00	Insurance Analytics – Innovative products 2
15.00 – 15.15	Break
15.15 – 16.15	Tools & Programmes – Big Data Analytics
16.15 – 17.00	Tools & Programmes – Big Data Analytics

Tuesday, 24 March 2026

09.00 – 09.45	Mathematics & Statistics – Unsupervised learning 2
09.45 – 10.45	Mathematics & Statistics – Unsupervised learning 2
10.45 – 11:00	Break
11.00 – 11.45	Mathematics & Statistics – Unsupervised learning 2
11.45 – 12.30	Mathematics & Statistics – Model selection & regularisation
12.30 – 13.30	Break
13.30 – 14.15	Mathematics & Statistics – Model selection & regularisation
14.15 – 15.00	Mathematics & Statistics – Model selection & regularisation
15.00 – 15.15	Break
15.15 – 16.15	Use Case Mortality
16.15 – 17.00	Use Case Mortality

Wednesday, 25 March 2026

09.00 – 09.45	Mathematics & Statistics – Deep learning 3
09.45 – 10.45	Mathematics & Statistics – Deep learning 3

10.45 – 11.00	Break
11.00 – 11.45	Insurance Analytics – Data Mining 3
11.45 – 12.30	Insurance Analytics – Data Mining 3
12.30 – 13.30	Break
13.30 – 14.15	Information Technology – Fundamentals of information theory
14.15 – 15.00	Preparation for the exam
15.00 – 15.15	Break
15.15 – 16.00	Use Case tariff calculation
16.00 – 16.30	Use Case tariff calculation
16.45 – 17.00	Concluding remarks, closing of seminar

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

Fees & Registration

Early Bird Registration Fee (until 9 February 2026):

- For private customers in the EU: €1,170.00 + VAT of the billing country (example Germany: €1,392.30 incl. 19% VAT)
- For private customers outside the EU: €1,392.30 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €1,170.00 (net, reverse charge applies)
- For businesses in Germany: €1,392.30 (incl. 19% VAT)

Regular Registration Fee (from 10 February 2026):

- For private customers in the EU: €1,521.00 + VAT of the billing country (example Germany: €1,809.99 incl. 19% VAT)
- For private customers outside the EU: €1,809.99 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €1,521.00 (net, reverse charge applies)
- For businesses in Germany: €1,809.99 (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 booking 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 4 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:	19.5 points
Belgium:	19 points
Bulgaria:	15 points
Croatia:	individual accreditation
Czech Republic:	19.5 hours
Denmark:	21 credits
Estonia:	19.5 hours
Finland:	11.75 points
France:	117 points
Germany:	21 hours
Greece:	26 points
Hungary:	20 hours
Iceland:	19.5 credits
Ireland:	19.5 hours
Italy:	approx. 4 credits (GdLA individual accreditation)
Latvia:	20 hours
Lithuania:	19.5 hours
Netherlands:	approx. 19.5 PE-points (individual accreditation)
Norway:	20 points
Poland:	19.5 hours
Portugal:	19.5 hours
Serbia:	5 hours

Slovakia:	8 CPD points
Slovenia:	50 points
Spain (CAC):	20 hours
Spain (IAE):	19 hours
Switzerland:	15 points
USA:	SOA: (Section B): up to 23.10 hours

No responsibility is taken for the accuracy of this information.