EAA Seminar
Python for Actuaries
19/20 March 2026 | Vienna, Austria

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

Introduction

As the actuarial field evolves with technology, learning Python has become increasingly important. Python is a versatile programming language that enables actuaries to efficiently handle large datasets, perform complex statistical analyses, and apply machine learning techniques. Whether you are working with pricing models, risk assessments, or data visualization, Python can significantly enhance your productivity and decision-making.

In this seminar, we will cover:
1. **Python Basics**: An introduction to Python programming, focusing on data structures and fundamental syntax.
2. **Data Manipulation**: Working with datasets using Pandas for data cleaning and transformation.
3. **Data Visualization**: Creating insightful charts and graphs using Matplotlib and Seaborn.
4. **Machine Learning**: Applying basic machine learning models to actuarial data.

This seminar is designed to give participants hands-on experience and practical knowledge of how Python can be a valuable tool in your day-to-day work.

The seminar will be held in person, giving participants the opportunity to learn on site alongside other actuarial professionals, exchange ideas directly, and receive immediate support from the lecturers. The venue is the 4-star Mercure Grand Hotel Biedermeier in Vienna (details below). The evening event on the first day is giving participants the opportunity to connect, discuss practical questions, and build their professional network in an informal setting.

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Participants

This seminar 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 programming is **not** necessary. As participants have to solve programming exercises throughout the seminar, a laptop with internet access is mandatory.

Purpose and Nature

The purpose of this seminar is to equip actuaries with practical Python skills that they can apply directly to their professional work. Python offers powerful tools for data analysis, visualization, and machine learning, making it an invaluable asset in modern actuarial tasks.

The seminar is structured to provide a mix of interactive learning methods. We will use Python notebooks to combine theoretical teaching with hands-on programming exercises. Participants will not only receive direct instruction but also engage in self-guided practice and group exercises, ensuring a deeper understanding of the material.

Language
The language of the seminar will be English.

Lecturer

Jonas Offtermatt
Prof Dr Jonas Offtermatt is a professor at DHBW Stuttgart specializing in programming, software engineering, actuarial data science, and insurance mathematics. He has held leadership roles in the insurance industry and is an expert in insurance analytics and data science. Prof. Offtermatt is also a member of the Deutsche Aktuarsvereinigung (DAV) and contributes to actuarial education through teaching and research in areas such as data protection and data science in insurance.

Alexander Brandt
Before his appointment as Professor of Data Science and Digital Technologies at the Baden-Württemberg Cooperative State University (DHBW) in Stuttgart in 2023, Dr Alexander Brandt, who holds a doctorate in Physics, spent over 16 years at Robert Bosch GmbH in various leadership roles in Germany and abroad. His work focused on developing advanced algorithms and shaping marketing strategies for vehicle safety systems. Most recently, he served as Chief Expert, utilizing large language models to support automotive market observation and understanding.

Preliminary Programme

Thursday, 19 March 2026

08.45 - 09.00	Registration
09.00 - 09.15	Introduction & welcome (EAA)
09.15 - 10.45	Python Basics, Part 1 – Introduction to Python, Data Types, and Syntax
10.45 - 11.00	Coffee Break
11.00 - 12.30	Python Basics, Part 1&2 – Working with Data Structures: Lists, Dictionaries, and Tuples
12.30 - 13.30	Lunch
13.30 - 15.00	Python Basics, Part 2
15.00 - 15.15	Coffee Break
15.15 - 17.00	Data Manipulation – Cleaning and Transforming Data with Pandas
approx. 18.30	Dinner

Friday, 20 March 2026

09.00 - 10.45	*Data Visualization* – Creating Charts and Graphs with Matplotlib and Seaborn
10.45 - 11.00	Coffee Break
11.00 - 12.30	*Machine Learning* – Introduction to Machine Learning Models for Actuarial Data
12.30 - 13.30	Lunch
13.30 - 15.00	*Machine Learning* – Hands-on Exercises and Case Studies
15.00	Concluding remarks, closing of seminar (EAA)6,25

All times are given in *CET (Central European Time)*

Fees & Registration

The coffee-breaks and lunches as well as the seminar dinner are included in the seminar fee. The accommodation is not included in the seminar fee and must be booked directly with the hotel.

Early Bird Registration Fee (until 19 January 2026):
- For private customers only: €1,164.00 (€970.00 + 20% VAT).

Regular Registration Fee (from 20 January 2026):
- For private customers only: €1,536.00 (€1,280.00 + 20% VAT).

Important VAT Information:
Due to tax regulations, we are unfortunately unable to issue invoices to businesses. We can only accept private billing addresses. Please enter your private billing address when completing the registration form.

Please register for the seminar as soon as possible because of the expected demand. If there are more persons interested in this seminar than places available, we will give priority to the registrations received first. Please send your registration by using this online registration form.

Your registration is binding. Cancellation is only possible up to 6 weeks before the first day of seminar. 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.

Prepayment is mandatory. Please always give your invoice number when you effect payment. All bank charges are to be borne by the participant. We will send you an invoice via email. Please make sure you enter the correct and final billing details when registering below.

Registration is open until 16 March 2026. If registration has already been closed for this event, please call us or send an email to contact@actuarial-academy.com in order to find out whether a late registration is still possible.

Venue & Accommodation

Mercure Grand Hotel Biedermeier Wien
Landstrasser Hauptstrasse 28, 1030 Vienna, Austria
Phone: +43 1716 710
Hotel website

The seminar will take place at the 4-star Mercure Grand Hotel Biedermeier. The hotel is centrally located in Vienna, in a quiet historic Biedermeier-style passage, and offers a comfortable and professional setting for training events. On site, participants also have access to two restaurants, a café, and a garden area for breaks. The hotel provides a fitness and sauna area for guests staying overnight.

We have secured a special accommodation rate of €149.00 per night, including breakfast and VAT, available for bookings made by 4 March 2026. This exclusive rate applies to a limited number of rooms reserved for our event. To book, please fill out this booking form and send it to h5357-sb@accor.com. In your message, please mention your participation in the EAA Seminar and include the booking code **EAA – European Actuarial Academy GmbH**. Please also note the hotel's cancellation policy and payment conditions.

CPD

For this seminar, the following CPD points are available under the CPD scheme of the relevant national actuarial association:

Austria:	11 points
Belgium:	11 points
Bulgaria:	15 points
Croatia:	individual accreditation
Czechia:	11 hours
Denmark:	11 credits
Estonia:	11 hours
Finland:	7.5 points
France:	63 points

Germany:	11 hours
Greece:	15 points
Hungary:	11 hours
Iceland:	11 credits
Ireland:	11 hours
Italy:	approx. 4 credits (individual accreditation)
Latvia:	11 hours
Lithuania:	11 hours
Netherlands:	approx. 11 points (individual accreditation)
Norway:	11 points
Poland:	11 hours
Portugal:	11 hours
Serbia:	5 hours
Slovakia:	8 points
Slovenia:	50 points
Spain:	CAC: 11 hours, IAE: 11 hours
Switzerland:	15 points
USA:	SOA (Section B): up to 13.20 hours

No responsibility is taken for the accuracy of this information.