

## EAA Web Session

# Actuarial Data Insights: A Practical Guide to RAG & Techniques

15 October 2025 | 9:30-13:00 CEST | online

### Introduction

#### **Unlocking Actuarial Data Insights: A Practical Guide on RAG and Advanced Techniques**

In the continuously evolving landscape of Artificial Intelligence (AI), Retrieval Augmented Generation (RAG) has emerged as a disruptive technology transforming how we interact with AI systems. RAG combines the strengths of information retrieval and Large Language Models to create powerful applications that can access and use vast amounts of data to generate contextually relevant and informative responses. This web session is designed to equip actuarial professionals with a solid understanding of RAG and its practical applications in the actuarial field. The session will be split into a theoretical deep dive and a hands-on session. Participants will discover the theory behind RAG and its core components, including the key role played by vectors and vector stores, and explore advanced engineering techniques that drive superior performance, such as query decomposition, re-ranking, prompt engineering, and agents.

### Participants

- Actuarial analysts, consultants, and data scientists working in insurance or finance who want to improve their skills in the disruptive RAG technology
- Actuarial managers and directors interested in leveraging AI to improve their workflows
- Anyone with a basic knowledge of Large Language Models and Python.

Participants should have access to Google Colaboratory.

### Purpose and Nature

The web session aims to equip actuarial professionals with the knowledge and skills behind Retrieval Augmented Generation (RAG), from basic to advanced techniques. By the end of the course, participants will understand how to exploit and interact with AI systems to improve decision-making processes in actuarial tasks.

## Language

The language of the web session will be English.

## Lecturer

### Claudio Giorgio Giancaterino

Claudio Giancaterino is a qualified Actuary who works during the day with Intesa Sanpaolo Assicurazioni, an Italian Insurance Company based in Milan. In his free time, he is involved in data science activities. In the past, he was an assistant professor of Insurance Statistics at the Catholic University of Milan. He collaborated with the IAA and IFoA in several working parties and attended several data science competitions. He held workshops and talks at several conferences/meetups. He's a member of the Astin and the Italian Actuarial Body Association.

## Preliminary Programme

### Wednesday, 15 October 2025

09:30-11:00	Introduction of Large Language Models and Retrieval Augmented Generation applications
11:00-11:30	Break
11:30-13:00	Naïve RAG, Advanced Techniques to improve RAG, Agentic RAG in Actuarial field

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

## Fees & Registration

### Early Bird Registration Fee (until 3 September 2025):

- For private customers in the EU: €225.00 + VAT of the billing country (example Germany: €267.75 incl. 19% VAT)
- For private customers outside the EU: €267.75 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €225.00 (net, reverse charge applies)
- For businesses in Germany: €267.75 (incl. 19% VAT)

### Regular Registration Fee (from 4 September 2025):

- For private customers in the EU: €290.00 + VAT of the billing country (example Germany: €345.10 incl. 19% VAT)
- For private customers outside the EU: €345.10 (incl. 19% VAT)
- For businesses within the EU (excl. Germany, with valid VAT ID): €290.00 (net, reverse charge applies)
- For businesses in Germany: €345.10 (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](mailto: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:	3 points
Belgium:	3 points
Bulgaria:	4.5 points
Croatia:	individual accreditation
Czechia:	3 hours
Denmark	3 credits

Estonia:	3 hours
Finland:	3 points
France:	18 points
Germany:	3 hours
Greece:	4 points
Hungary:	3 hours
Iceland:	3 credits
Ireland:	3 hours
Italy:	GdLA individual accreditation
Latvia:	3 hours
Lithuania:	3 hours
Netherlands:	approx. 3 points (individual accreditation)
Norway:	3 points
Poland:	3 hours
Portugal:	3 hours
Serbia:	3 hours
Slovakia:	individual accreditation
Slovenia:	individual accreditation
Spain:	CAC: 3 hours, IAE: 3 hours
Switzerland:	individual accreditation
USA:	SOA (Section B): up to 3.6 hours

No responsibility is taken for the accuracy of this information.