



XIV
CONGRESSO
NAZIONALE
DEGLI
ATTUARI

L'ATTUARIO GLOBALE
PER UN MONDO
SOSTENIBILE
TRA TRADIZIONE,
INNOVAZIONE
E RISCHI EMERGENTI

MILANO
15-17 Novembre 2023
Hotel Quark

The Global Actuary's project in the Italian and International scenario

Actuarial Education as the basis for development of the actuarial profession

Henning Wergen, Actuary DAV

Chairperson of the AAE Education Committee and the IAA Education Committee



WHAT IS AN ACTUARY?

Actuaries are highly qualified professionals who analyze the financial impact of risk for organizations like insurers; pensions fund managers, and more. Governed by rigorous standards of practice, they apply their mathematical expertise to forecast and minimize financial uncertainty.

What is an Actuary?

Actuaries are highly sought-after professionals who develop and communicate solutions for complex financial issues.

Actuaries measure and manage risk. Actuaries have a deep understanding of mathematics, statistics and business management. With this, they help businesses grow and provide value to their customers. Actuaries help leaders make strategic decisions and consumers prepare for their future.

Actuaries are in demand. They work for and with businesses with a financial focus. Businesses including insurance-life, health, property-casualty, even pet insurance. Also, banking, investments, government, energy, e-commerce, marketing, employee benefits, product development, enterprise risk management, predictive analytics, consulting and more.

What is an actuary?

Actuaries are problem solvers and strategic thinkers, who use their mathematical skills to help measure the probability and risk of future events. They use these skills to predict the financial impact of these events on a business and their clients.

Businesses and governments increasingly depend on the skills of actuaries and analysts to help them model and plan for the future. As the world changes at an increasingly rapid pace, risk management expertise can help businesses navigate this evolving landscape. Discover your strengths and find out if you could become an actuary in our [online personality quiz](#).

Actuary

Article Talk

From Wikipedia, the free encyclopedia

An **actuary** is a professional with advanced mathematical skills who deals with the measurement and management of **risk** and uncertainty.^[1] The name of the corresponding field is **actuarial science** which covers rigorous mathematical calculations such as the **survival function** and **stochastic process**. These risks can affect both sides of the **balance sheet** and require **asset management**, **liability** management, and valuation skills.^[2] Actuaries provide assessments of financial security systems, with a focus on their complexity, their mathematics, and their mechanisms.^[3]

WHAT IS AN ACTUARY?

Actuaries are highly regarded professionals; actuaries are problem solvers and strategic thinkers with a deep understanding of financial systems

Being an actuary means having highly valued mathematical skills and expertise

Actuaries come from different academic backgrounds but share a love of maths even if they haven't done a maths degree. When you train as an actuary you'll learn how to analyse data, evaluate financial risks, and communicate this data to non-specialists.



WHAT IS AN ACTUARY?

Actuaries are highly qualified professionals who analyze the financial impact of risk for organizations like insurers; pensions fund managers, and more. Governed by rigorous standards of practice, they apply their mathematical expertise to forecast and minimize financial uncertainty.

Actuary

Article Talk

From Wikipedia, the free encyclopedia

An **actuary** is a professional with advanced mathematical skills who deals with the measurement and management of risk and uncertainty.^[1] The name of the corresponding field is **actuarial science** which covers rigorous mathematical calculations such as the **survival function** and **stochastic process**. These risks can affect both sides of the **balance sheet** and require **asset management**, **liability management**, and **valuation skills**.^[2] Actuaries provide assessments of financial security systems, with a focus on their complexity, their mathematics, and their mechanisms.^[3]

What is an Actuary?

Actuaries are highly sought-after professionals who develop and communicate solutions for complex financial issues.

Actuaries measure and manage risk. Actuaries have a deep understanding of mathematics, statistics and business management. With this, they help businesses grow and provide value to their customers. Actuaries help leaders make strategic decisions and consumers prepare for their future.

Actuaries are in demand. They work for and with businesses with a financial focus. Businesses including insurance-life, health, property-casualty, even pet insurance. Also, banking, investments, government, energy, e-commerce, marketing, employee benefits, product development, enterprise risk management, predictive analytics, consulting and more.

WHAT IS AN ACTUARY?

Actuaries are highly regarded professionals; actuaries are problem solvers and strategic thinkers with a deep understanding of financial systems

Being an actuary means having highly valued mathematical skills and expertise

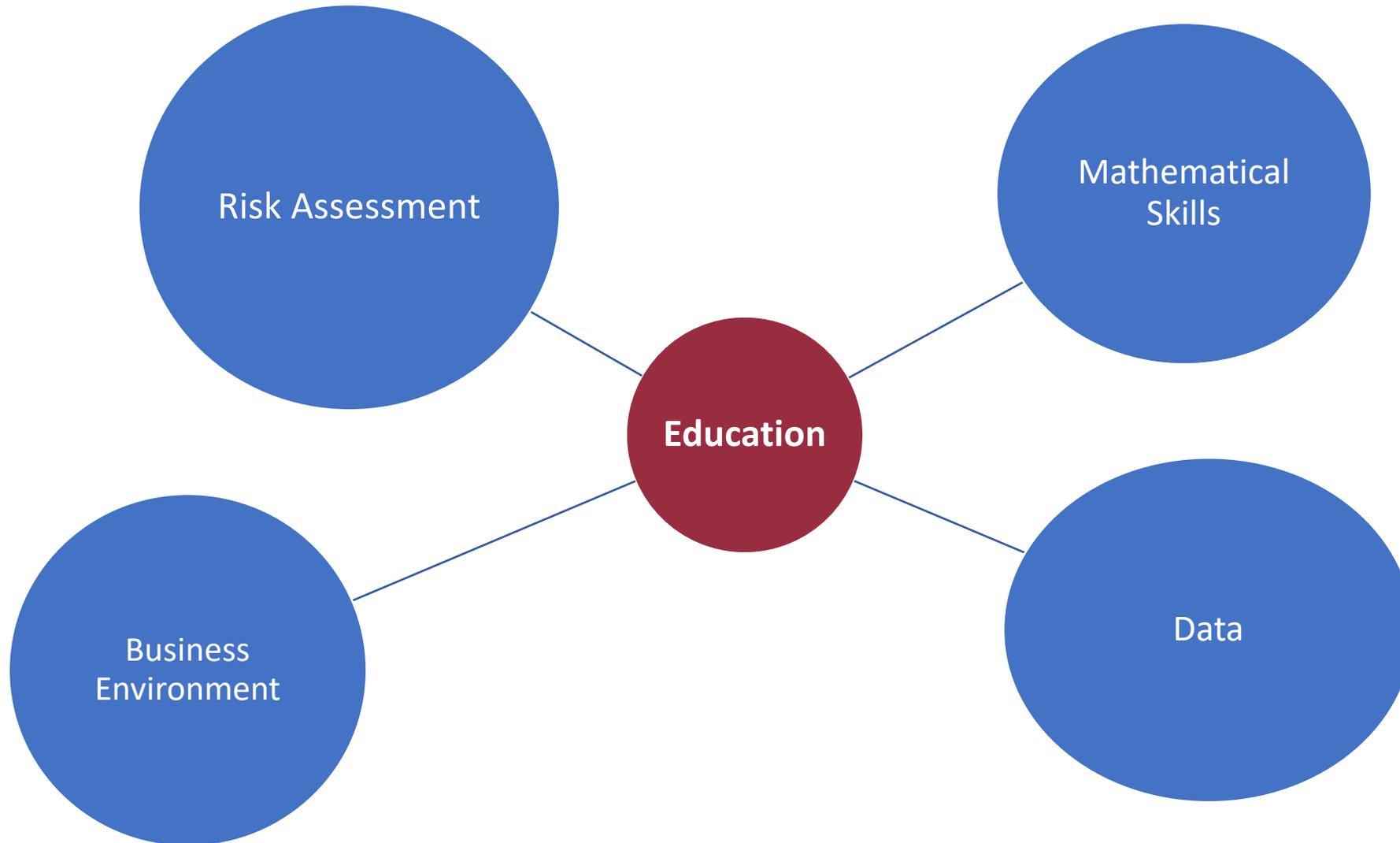
Actuaries come from different academic backgrounds but share a love of maths even if they haven't done a maths degree. When you train as an actuary you'll learn how to analyse data, evaluate financial risks, and communicate this data to non-specialists.

What is an actuary?

Actuaries are problem solvers and strategic thinkers, who use their mathematical skills to help measure the probability and risk of future events. They use these skills to predict the financial impact of these events on a business and their clients.

Businesses and governments increasingly depend on the skills of actuaries and analysts to help them model and plan for the future. As the world changes at an increasingly rapid pace, risk management expertise can help businesses navigate this evolving landscape. Discover your strengths and find out if you could become an actuary in our [online personality quiz](#).







- How does Education support the idea of „The Global Actuary“?
 - Actuarial education is organised locally
 - The European umbrella organisation (AAE) sets a minimum standard for all member associations
 - This defines what every actuary in Europe needs to know
 - Flexibility and specialisation on top
- We have a joint foundation and develop individually



AAE Core Syllabus for Actuarial Training

Actuarial Models

Actuarial Risk Management

Finance

Economics

Financial
Systems

Assets

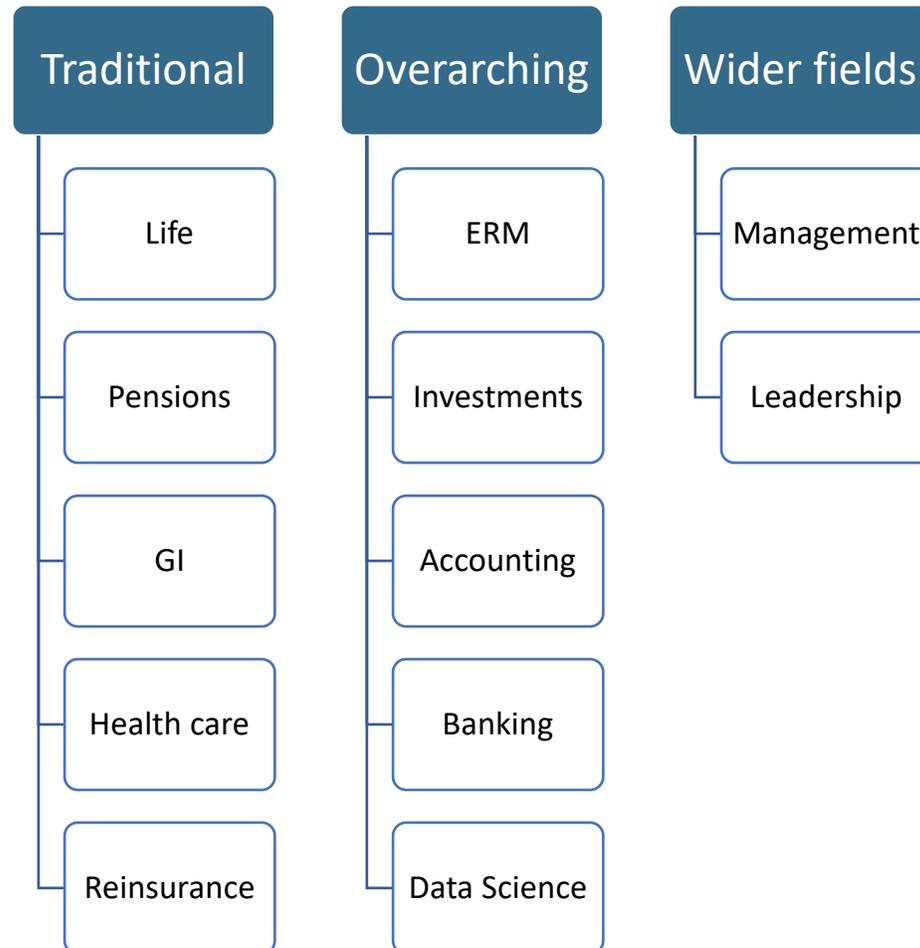
Statistics

Data and Systems

Personal and
actuarial
professional practice



AAE Core Syllabus for Actuarial Training – Specialisation





- Guiding principles:
 - Education changes constantly to cover all relevant topics and methodologies
 - Education is the basis, life-long-learning follows
 - Individual actuaries need to be supported to develop into new areas or roles
 - Education cannot get bigger and bigger, topics and methodologies from the past must be omitted to make room for new ones
- Ongoing task for local educators but also for supranational organisations to define common framework



XIV CONGRESSO NAZIONALE DEGLI ATTUARI
L'ATTUARIO GLOBALE PER UN MONDO SOSTENIBILE
TRA TRADIZIONE, INNOVAZIONE E RISCHI EMERGENTI

Thank you very much

henning.wergen@aktuar.de