

# DR. PETER GERDS

ACTUARY DAV

Manager

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## Current Responsibility

Peter Gerds is consulting actuary in the Düsseldorf office. He joined Milliman in July 2023.

His consulting activities include, among others:

- Advising on Solvency II
- Performing actuarial modelling and validation
- Creating and implementing validation concepts and writing corresponding reports for the various stakeholders, e.g., supervisory authorities
- Processing regulatory issues and implementing them
- Assisting with asset-related topics in ALM
- Conducting capital market modeling and economic scenario generation
- Automating actuarial processes
- Applying actuarial data science

## Professional Work Experience

Most recently, Peter worked on projects in P&C and Life insurance:

- Automating data processing from the inventory management system (SAS, SQL)
- Implementing procedures for reservation, claims processing, and IBNR quantification
- Designing and implementing cost models

Before Milliman, Peter worked at Ampega Asset Management GmbH for five years. During this time his main tasks were:

- Implementing systematic tests and statistical analyses as part of the validation of capital market modeling in the internal model
- Preparing corresponding validation reports and presentations to the supervisory authority
- Reviewing regulatory requirements in the context of Solvency II
- Implementing data collection and data preparation processes from the database system
- Providing validation and professional assistance with model changes

In addition, Peter gained experience in the following areas during his time at Ampega Asset Management GmbH:

- Designing and implementing the internal IT infrastructure as well as the reporting and program landscape
- Automating validation and reporting processes
- Conducting capital market modeling (real world, risk-neutral scenarios, correlation, and concentration risks, etc.)

Peter has qualified technical experience with:

- C++
- VB.NET, VBA
- Python, R
- SQL, SAS

## Professional Designations

Actuary DAV

## Education

- PhD in mathematics at RWTH Aachen University
- Diploma in business mathematics at the University of Leipzig

## Affiliations

- Actuary German Association of Actuaries (DAV)
- German Society for Insurance and Financial Mathematics (DGVMF)