

ALLIANZ CENTRAL EUROPE | ONE. GRADUATE PROGRAMME | POLAND

Insurance Pricing, Data Science & AI Analyst

Your Career Path

Are you about to graduate and eager to kickstart your career with a leading organization? Then the Allianz Graduate Program is just right for you! Over 16 months, you will develop purposefully and be optimally prepared for your future role with us – through exciting projects,

Graduate Program

As a participant in the Graduate Program, you will become part of a structured development program that combines practical experience with targeted training. You will work in various departments (both locally and globally possible) and projects, gaining valuable insights into the processes, challenges, and strategic goals of Allianz Austria and Central Europe. Throughout the program, you will collaborate closely with experienced professionals and receive mentoring from trusted colleagues.

Potential Rotations (local/regional)

Rotations are a key part of the Allianz Graduate Program. Together with your supervisor, you'll choose placements across Allianz Poland and the Allianz Central Europe region, gaining broad experience, international exposure, and a strong professional network.

The Team

You will join the Portfolio Management team within the Pricing segment, where data and analytics drive key business decisions. The team is responsible for the premium optimization process: building demand models, predictive models, and leveraging machine learning techniques to work with large-scale datasets. Your role will involve supporting the development of pricing models, automating portfolio monitoring processes, and building tools for automatic identification of portfolio changes. You'll collaborate closely with actuaries, data scientists, and business stakeholders to translate analytical insights into actionable pricing strategies.

Your future areas of activity

- Supporting the development and enhancement of demand models and predictive models used in the premium optimization process
- Building and maintaining machine learning models for pricing and portfolio analysis
- Monitoring model and AI-system performance, documenting limitations, and driving continuous improvement
- Identifying opportunities to redesign and further develop processes using AI systems and intelligent automation
- Developing tools for automatic identification of portfolio changes and anomaly detection
- Preparing and validating large-scale datasets: data extraction, transformation, cleaning, and feature engineering
- Collaborating with actuaries, data scientists, technology teams, and business stakeholders to convert outputs into actionable pricing recommendations
- Documenting methodologies, AI use cases, model assumptions, system dependencies, and results
- Applying responsible AI practices, including explainability, governance, security, and human oversight

What you bring

- Technical studies: Mathematics, Statistics, Econometrics, Computer Science, Data Science, Artificial Intelligence, Quantitative Finance, or a related discipline
- Proficiency in Python and data/modeling libraries (e.g., pandas, NumPy, scikit-learn, XGBoost/LightGBM, statsmodels)
- Strong understanding of statistical modeling, machine learning, and model validation
- Interest in advanced AI systems, including generative AI, intelligent agents, and AI-assisted decision support
- Ability to identify and structure processes that can be redesigned, automated, or enhanced with AI
- Experience or interest in large datasets, data pipelines, APIs, and system integration
- Awareness of responsible AI: data quality, explainability, governance, security, and human oversight
- Understanding of Git, collaborative coding, testing, and reproducible development
- SQL, cloud services, MLOps, workflow orchestration, insurance, pricing, or actuarial knowledge is a plus
- Polish and English skills (C1 level)

Start Date
01 September 2027

Location
Warsaw, Poland

Apply now

Careers International is a partner of Allianz Central Europe in the Graduate Programme recruitment process. We are committed to providing an inclusive and equal opportunity experience for all candidates. If you require any adjustments during the application process, please let us know.