



The Chair of Mathematics for Business and Economics at the University of Zurich (Switzerland) is looking for a

**Research Assistant (PhD student, 60% employed)**

starting from April 1<sup>st</sup>, 2024, or by arrangement

The Chair of Mathematics for Business and Economics focuses on the mathematical solution of business problems. We model and optimize stochastic dynamic systems via Markov decision processes and approximate dynamic programming. Our applications are in the field of operations management and revenue management, in particular. We teach mathematics and optimization at the Bachelor and Master level.

**We Offer**

- The opportunity to work on cutting-edge research projects
- Interesting work as part of a dynamic team in a friendly working environment
- The possibility to interact with internationally renowned scientists
- A highly competitive salary in accordance with the salary guidelines/scale of the canton of Zurich
- A travel budget to present your work at international conferences

**Responsibilities**

- Developing, managing, and publishing research projects within the field of approximate dynamic programming or revenue management
- Assisting in teaching of introductory math or optimization classes
- Supervision of Bachelor or Master theses

**Qualifications**

- Strong background in mathematics and an excellent master's degree in (applied) Mathematics, Computer Science, Industrial Engineering, or a related, quantitative field of study
- Solid knowledge of optimization and/or stochastic processes
- Good knowledge in at least one higher programming language (e.g. Matlab, AMPL)
- Strong motivation for scientific research and teaching
- Good organizational and communication skills
- Reliable team player
- Advanced English language skills



**Further Information**

Further inquiries regarding the position can be sent to [christiane.barz@uzh.ch](mailto:christiane.barz@uzh.ch).

**Applications**

Applications should include a motivation letter, a CV, academic transcript and, if available, a certificate of the master's degree and GMAT score. The documents should be sent in a single PDF to [christiane.barz@uzh.ch](mailto:christiane.barz@uzh.ch).