

Biology and Preclinical Medicine

# Research Assistant / PhD Student (m/f/d) Ecological Data Science

## Professorship for Theoretical Ecology

The Theoretical Ecology Lab at the University of Regensburg focuses on theory and modelling, computer simulations, as well as statistics, data science and artificial intelligence in ecology, evolution, and conservation.

### We offer:

- The opportunity to be part of the project “Bavarian Artificial Intelligence for Insect Monitoring” (<https://go.ur.de/baimo>), which investigates the effects of climate change on insect populations as part of the Bavarian research network bayklif2 (<https://bayklif2.de>)
- PhD studies supported by our faculty's structured graduate program (RIGeL)
- An outstanding scientific infrastructure, excellent international networking, and a collegial working atmosphere
- Working in one of Germany's most popular cities

### Key points

Start: As soon as possible

Contact: Dr. Maximilian Pichler

Remuneration: TV-L E13, 65%.

Limited contract for one year, with the possibility to be extended for another 3 years

**How to apply:** by Dez 7<sup>th</sup> [here](#) or via the link below

### Your responsibilities:

- Development and application of AI-based (deep learning) models for predicting changes in insect populations
- Preparation of scientific publications
- The position offers the opportunity to pursue a PhD

### Your profile:

- A degree in science or mathematics (e.g., biology, ecology, physics, as well as mathematics, statistics, or data science). If already available, please include your M.Sc thesis in your application.
- Familiarity with fundamental ecological concepts, particularly insect decline and species distribution models (SDMs), are desirable
- Experience with and knowledge of a programming language commonly used in data science (e.g., R or Python)
- Experience and knowledge with statistics, machine learning, Deep Learning and AI are an advantage
- Good knowledge of the English language

The University of Regensburg is committed to increasing the proportion of women in teaching and therefore explicitly encourages qualified women to apply. The university is particularly committed to supporting the compatibility of family and career. For more information, see <https://www.uni-regensburg.de/universitaet/jobs-und-karriere/familien-service>. Applicants with severe disabilities will be given preferential consideration if they are equally qualified. Please indicate any severe disability in your application. Please note that we cannot reimburse any expenses you may incur in connection with an interview.

This is the English translation of a German job advertisement published by the University of Regensburg. Only the original German text (available via the link above) is legally binding.

The link to the German job advertisement and to our recruiting page is available at [https://www.uni-regensburg.de/universitaet/aktuelles/nachrichten/nachricht/29-10-2025\\_we-are-hiring-4-phd-positions-and-one-ecological-data-scientist](https://www.uni-regensburg.de/universitaet/aktuelles/nachrichten/nachricht/29-10-2025_we-are-hiring-4-phd-positions-and-one-ecological-data-scientist)