NABU

Biodiversity Data Scientist (m/f/d)

In the context of the BMBF project "DINA - Diversity of Insects in Nature protected Areas" NABU is seeking immediately a full-time Biodiversity Data Scientist who does the data mining and data profiling, modelling, analyses with support of correlative statistical methods and visualisation.

Weitere Infos erhalten Sie unter:
www.NABU.de

Founded in 1899, the NABU (Nature and Biodiversity Conservation Union), is one of the oldest and largest environment associations in Germany, encompassing more than 770,000 members and sponsors. NABU's main objectives are the preservation of habitats and biodiversity, the promotion of sustainability in agriculture, forest management, water supply and distribution. About 40,000 volunteers play an active role in practical nature conservation work. Regular further training and education courses maintain and promote the know-how of our dynamic and highly qualified team of employees. A fair salary, a varied job as well as a family-friendly atmosphere support the trusting cooperation and the identification with our motto "We are what we do - the nature conservationists".

The project aims at

- analysing insect biodiversity in selected German nature reserves (NSG), in correlation with important environmental variables
- identifying possible causes of its decline
- exploring potentials of stakeholder participation for integrated, cross-sectoral decision-making
- providing evidence-based policy recommendations for more effective biodiversity preservation. We will investigate our raised questions by data mining and data profiling, modelling, analyses with support of correlative statistical methods and visualization

Your tasks:

- develop/implement tools for managing data according to the scope of the project
- contribute to the conceptual development of a data visualisation and analysis tool
- communicate with the other consortium partners
- support the data management

Your profile:

- M.Sc./Diploma/PhD degree in Bioinformatics or an informatics-related subject.
- Knowledge in analysing large and diverse data sets
- Substantial experience with databases (e.g. PostgreSQL, MySQL)
- Use of statistic programs (preferentially "R") and more specific programmes for structural equation models
- Visualisation tools (e.g. "ggplot2" in combination with "R")
- Machine learning (with Python or SparkML/Apache Spark)

For requests:

NABU-Bundesgeschäftsstelle
Prof. Dr. Gerlind Lehmann

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10117 Berlin
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What is awaiting you?

- An interesting task in a dynamic team of researchers in an internationally renowned research consortium.
- The opportunity to gain experience in the above-mentioned research field.
- The occasion to build a network with scientists in interdisciplinary fields in Germany.
- Salary and benefits are similar to a full-time public service position in Germany.
- The contract shall start as soon as possible and will initially be limited until 12, 2022.
- A prolongation is envisioned but depends on funding.
- The place of employment is Berlin, Germany.

If you are interested in this position, please apply before 23rd March 2020 stating your salary expectations and the earliest start date. Please use the following procedure, described under **http://www.nabu.de/jobs/data-scientist**.