The Faculty of Business Administration and Economics offers a full-time
research position (postdoc)
starting as soon as possible
(E13 TV-L, non-permanent position)

Your Tasks

The Statistics & Data Analysis Group within the Department of Business Administration and Economics at
Bielefeld University has an opening for a postdoc position (100 % for 3 years) starting as soon as possible. The
position is part-funded by the collaborative research centre (CRC) SFB/TRR 212, “A Novel Synthesis of
Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche
Construction (NC3)”.

The successful candidate will work at the interface of statistics and ecology, and will be actively involved in the
activities of the CRC. In particular, the successful candidate will help to develop novel statistical methods for
making biological inference on niche choices from behavioural time series data. More specifically, this project will focus on extensions of Hidden Markov models to deal with individual heterogeneity commonly found across individuals within the same species. Corresponding models that accommodate such heterogeneity are computationally challenging, and the research to be conducted will primarily focus on ways to make inference within these models computationally more tractable (50 %).

Furthermore the successful candidate will conduct some of the real-data analyses of empirical projects conducted within the CRC. These applied projects will comprise analyses of animal movement data collected within the CRC, ranging from insects monitored with video tracking to sea lions tracked using GPS and accelerometry (35 %).

The successful candidate will also be involved in statistics-related teaching and administrative activities within the
Department of Business Administration and Economics (15 %).

Your Profile

We expect
- university degree or equivalent in statistics, mathematics, biology or in another relevant field
- completed PhD degree in statistics or a related field, or alternatively in biology/ecology provided a proven track record in statistical method development
- good knowledge of statistical software (e. g. R)
- ability to work independently and as part of a team
- very good English language skills (oral and written)

Preferable qualifications
- experience in interdisciplinary research
- familiarity with Bayesian inference

Remuneration

Salary will be paid according to Remuneration level 13 of the Wages Agreement for Public Service in the Federal
States (TV-L). As stipulated in § 2 (1) sentences 2 of the WissZeitVG (fixed-term employment), the contract will
end on December 31st, 2021. In accordance with the provisions of the WissZeitVG and the Agreement on
Satisfactory Conditions of Employment, the length of contract may differ in individual cases. In principle, the full-
time position may be changed into part-time position, as long as this does not conflict with official requirements.

Bielefeld University is particularly committed to the career development and equal opportunities of its employees.
It offers attractive internal and external training and further training programmes. Employees have the opportunity
to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance
on a work-family balance for all its employees.

Application Procedure

For full consideration, your application should be received via either post or email (a single PDF document) sent
to roland.langrock@uni-bielefeld.de by the 8th of November 2018. Please mark your application with the
identification code wiss18282. Please do not use application portfolios and send only photocopies of original
documents because all application materials will be destroyed at the end of the selection procedure. Further
information about Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

Bielefeld University has received a number of awards for its achievements in the provision of equal opportunity
and has been recognized as a family friendly university. The University welcomes applications from women. This
is particularly true with regard both to academic and technical posts as well as positions in Information
Technology and Trades and Craft. Applications are handled according to the provisions of the state equal
opportunity statutes. Applications from suitably qualified handicapped and severely handicapped persons are
explicitly encouraged.