Jobs / Career at KIT

PhD Candidate / Applied Statistician / Biostatistician (f/m/d)

https://www.pse.kit.edu/english/karriere/joboffer.php?id=164388

Organizational unit

Institute of Statistics (STA)

Starting date

Early 2024 with some flexibility

Job description

Infectious disease outbreaks pose a threat to public health and can have disruptive effects on societies. Disease surveillance gives rise to diverse and continuously updated data streams. To draw valid conclusions from these in real time, specialized mathematical and statistical modeling tools are necessary.

The proposed project is focused on the development of new statistical methods to generate, evaluate and combine infectious disease nowcasts and short-term forecasts. Besides statistical prediction methods, it is planned to work on expert and crowd forecasts of disease spread.

The position will be part of a DFG Emmy Noether Junior Researcher Group ("Multi-Model Nowcasting and Short-Term Forecasting of Infectious Disease Spread"). For parts of the project, collaborations with partners in the United Kingdom and the United States are intended.

The position is suitable for PhD studies. The planned PhD supervisors are Principal Investigators in the Helmholtz (https://www.hidss4health.de/) Information and Data Science School for Health, and we intend to associate doctoral candidates with this graduate school.

Personal qualification

- Master's degree in statistics / biostatistics, mathematics or epidemiology (with a focus on statistics). A degree in another quantitative discipline (e.g., computer science, social sciences, economics) may be suitable in combination with excellent knowledge in statistics, proven by past coursework.
- Strong interest in statistical modeling, computational statistics, survey methods and applications in medicine and public health.
- Programming skills in R or Python, documented by past projects (e.g., public code repositories).
- Fluency in written and spoken English; English is the main working language.
- Strong commitment to research ethics and teamwork.
- Good communication skills.

Salary

Salary category 13 TV-L, depending on the fulfillment of professional and personal requirements.

This is what we offer

Become a member of staff of the only German University of Excellence that conducts large-scale research on the national level. Work under excellent working conditions in an international environment. Benefit from specific training when starting your job and from a wide range of further qualification offers. Use our flexible working time models (flexitime, work from home), our sports and leisure offers, as well as our child and holiday care services. We also pay a share of EUR 25/month in the Job Ticket Baden-Württemberg. Enjoy a large variety of dishes, snacks, and beverages at our canteens.

Contract duration

limited for 3 years

Application up to

October 6, 2024

Contact person in line-management

For further information, please contact Jun.-Prof. Dr. Johannes Bracher (mailto:johannes.bracher@kit.edu).

Application

Please submit a CV, transcript of records from your MSc studies and a short motivation letter (max. 1 page) stating your research interests. Please upload all documents as a single PDF file named "application_<your last name>.pdf". If you have written a Master's thesis involving statistics feel free to submit it as a separate file (max. 10MB).

Please apply online: https://www.pse.kit.edu/english/karriere/joboffer.php?id=164388

Vacancy number: 1366/2024
We prefer to balance the number of employees (f/m/d). Therefore we kindly ask female applicants to apply for this job. Recognized severely disabled persons will be preferred if they are equally qualified.

Contact

Personnel Support is provided by:
Personalservice (PSE) - Human Resources
Ms Kehrer
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