

The Campus Institute Data Science (CIDAS) invites applications for the position of a

Doctoral Researcher (f/m/d)

associated with the working groups in Practical Computer Science (Prof. Ramin Yahyapour) and Statistics (Prof. Thomas Kneib) starting on December 1st, 2022. The salary is in accordance with the **German public service salary scale (E13 TV-L)**. The position is offered with 100% of the regular working hours (39.8 hours/week) with a limited contract for three years. Part-time employment is possible.

Your responsibilities:

The position is part of a project on machine learning for the automated, robust classification of pig behaviour that will be conducted jointly with the working group Livestock Production Systems (Prof. Imke Traulsen). The successful candidate will be responsible for the development, evaluation and application of innovative data science and machine learning methodology where video and sensor data shall be analysed to produce individualized protocols of animal behaviour. Methodological foci will include image classification, object recognition, pose estimation, and tracking in image and video data. This requires familiarity with corresponding machine learning software as well as the willingness to closely collaborate with the applied partners from the working group in Livestock Production Systems.

Your profile:

- Completed master's degree in Data Science, Computer Science, Statistics or other scientific fields with a specialisation in Data Science/Machine Learning/Computational Statistics.
- Knowledge on machine learning in general and computer vision, neural networks, object recognition, or segmentation in particular.
- Proficiency in English.
- Willingness to conduct collaborative work in a joint project on livestock management together with researchers from agricultural sciences.

This post is designed to serve in fostering young researchers and scientists and give the successful applicant the opportunity to pursue a doctoral degree.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.

Your application should be submitted electronically as a **single** PDF file until August 31st, 2022 to **Georg-August-Universität Göttingen, Professur für Statistik, Prof. Dr. Thomas Kneib, Humboldtallee 3, 37073 Göttingen, E-Mail: tkneib@uni-goettingen.de**.

If you have any questions, please contact Prof. Dr. Thomas Kneib (Telefon: 0551/ 39-35678, E-Mail: tkneib@uni-goettingen.de).

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the Information General Data Protection Regulation (GDPR): <https://www.uni-goettingen.de/hinweisdsqvo>