

As part of the German government's artificial intelligence (AI) strategy, the successful Saxon competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) is being expanded into a leading German AI competence center for Big Data and Artificial Intelligence (AI). For TUD Dresden University of Technology, diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Center for Interdisciplinary Digital Sciences (CIDS)**, the **Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden)** offers two positions as

Research Associate / PhD Student (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **earliest possible date**. The position is limited to three years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (usually PhD).

Professional assignment: Chair of Data Science (Prof. Dr. Jakob Runge)

Research area: Causal Inference, Statistics, Machine Learning, Time Series Analysis, Dynamical Systems

Tasks:

- scientific research in at least one of the following areas of Causal Inference: Theoretical Foundations, Statistical Estimation Methods and Deep Learning, Scalable Implementation, Time Series Analysis, Dynamical Systems
- collaboration in national and international research projects, possibly with industry partners
- scientific teaching tasks (e. g. seminars; no regular teaching duties)
- presentation of research results and prototypes.

The position comes with access to high performance computing resources and access to training opportunities within ScaDS.AI.

Requirements:

- university degree (typically M.Sc.) in Mathematics, Theoretical Physics, Statistics, Theoretical Computer Science, or a related field - PhD is desirable
- previous experience in Machine Learning, Causal Inference, Statistical Methods
- strong interest in foundational research
- very good written and spoken English skills
- willingness to travel.
- Excellent programming skills are desirable.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents (cover letter, CV, copies of your references and certificates), quoting the **job number „ScaDS.AI Runge1“**, by **June 5, 2024** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, ScaDS.AI, Herrn Prof. Dr. Wolfgang E. Nagel, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to scads.ai@tu-dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.