

# CAIS is hiring

The Center for Advanced Internet Studies (CAIS) is in the process of becoming a central institute for interdisciplinary digitization research. It examines the political, economic, social and cultural effects of the digital transformation and contributes scientific findings to current public debates. Research at CAIS addresses the opportunities and challenges of digitization in all its facets and aims to shape a digital society in the interests of the people. This holistic socio-technical approach enables a scientific examination of the digital transformation from application-oriented questions to the fundamental issues of digital ethics. A team of experienced and young researchers from different disciplines works in Bochum on different research programs and inspires public conversations. CAIS is supported by the universities of Bochum, Düsseldorf, Duisburg-Essen and Münster as well as the Grimme Institute in Marl.

**RESEARCHER (F/M/D)**  
FOR THE DEPARTMENT  
„RESEARCH DATA & METHODS“

**75 % WORKING TIME,  
PREDOC OR POSTDOC,  
FOR FIVE YEARS**

## TASK AREA

The Research Data & Methods department supports researchers at CAIS in all phases of the research process (study planning, data collection, processing, analysis, and publication), and also conducts its own research, e.g., on issues of data access, research ethics, data management, and open science in digitization research.

### **Your tasks are:**

- Developing concepts for using new types of data (e.g. from social media platforms or sensors) for digitalization research
- Counseling on / support for using external tools for data collection, preprocessing and analysis (e.g. using Git/GitHub, APIs, Jupyter Notebooks)
- Teaching and instruction targeted (mainly) at CAIS researchers
- Preparing guidelines/best practice documents for the different research phases in digitization research
- Creating reusable resources (e.g., via Jupyter Notebooks) for collecting, analyzing, or preparing digital behavioral data (e.g., social media content via API harvesting)
- Conducting own research on topics in the area of digital behavioral data (there is the possibility of working on a PhD thesis, possibly with external supervision).
- Collaborating with members of the team on publications and project proposals

## WE ARE LOOKING FOR APPLICANTS WITH THE FOLLOWING PROFILE

- Completed university degree (master's/diploma) in a subject relevant to digitization research, e.g. computer science, information science, communication science, political science, sociology, psychology
- Very good knowledge in the field of computational methods and data science (for example, experience with machine learning or natural language processing)
- Very good programming skills, preferably in Python or R
- Experience with (relational) databases is desirable
- Experience with social science data and methods (e.g., surveys or interviews) is a plus
- Interest in Open Science and Open Methodology
- Very good command of written and spoken English
- At least first knowledge of German and the willingness to actively improve it.

## WE OFFER

- Remuneration according to the pay group E13 TV-L depending on personal requirements
- Additional compensation in the form of an annual special payment
- The ability to work from a home office on certain days
- Supplementary pension scheme (VBL)
- flexible working hours and family-friendly work
- parent-child office
- Flat hierarchies and short decision-making paths
- Own business laptop

At CAIS you can expect a very good working atmosphere in a friendly team and the integration into a research context with an inspiring and challenging interdisciplinary exchange.

Please send your application with meaningful documents (cover letter, curriculum vitae, references, etc.) in a **single** pdf-file

→ **until 17.12.2021 to**

→ **[bewerbung@cais.nrw](mailto:bewerbung@cais.nrw)**

For organizational or content-related queries, please also contact [bewerbung@cais.nrw](mailto:bewerbung@cais.nrw).

We actively promote equality for all people! We welcome applications from people of all ages, genders and cultural and social backgrounds. Applications from people from underrepresented groups are explicitly encouraged. In the case of equal suitability and ability, applications from recognized severely disabled persons or persons of equal status will be given preferential consideration.

The costs of an application and travel expenses cannot be covered.