

At the University of Bremen, the Collaborative Research Center 1342 "Global Dynamics of Social Policy" invites applications for the following academic position

**Doctoral Researcher in Computer Science or Computational Social Science**

Salary Scale TV-L 13, 100%, start date: 01.03.2023

The position is a fixed term position for 3 years.

Reference number: A368-22

The position is part of the Collaborative Research Center "Global Dynamics of Social Policy" (Globale Entwicklungsdynamiken von Sozialpolitik) funded by the German Research Foundation and will be located within the project:

**INF: Development of the Global Welfare State System (WeSIS)**

(Focus on Natural Language Processing and Computational Social Science)

**Project Description**

The Collaborative Research Center (CRC 1342) "Global Dynamics of Social Policy", funded by the German Research Foundation (DFG) since January 2018, examines public social policy in a global and historical perspective in 15 different projects (<https://socialpolicydynamics.de/en>).

The project "INF Information Infrastructure" is responsible for basic computational support to the project, the e-science platform and the research data management. Our interdisciplinary team consists of computer scientists, political scientists and geographers. One specific project goal is the development of WeSIS – an interactive, web-based information system on the dynamics of social policies – both as a research tool and data portal.

Our goal is to do fundamental research in the interdisciplinary field of computational social science, making use of the special opportunity to collaborate with experts from multiple fields within the Collaborative Research Center. The research questions of our project's team focus on the empowerment of social scientists through computational methods, especially in the areas of natural language processing, machine learning and data visualization.

You will be able to work in a vibrant environment inclined by computational social science methods. More specifically, we are looking for someone with an interest in analyzing social science data, at the intersection of natural language processing (NLP) and computational social science (CSS). You will have the opportunity to work on your doctoral thesis within a strong research group and additional support by the University's doctoral programs.

**Responsibilities**

- Conducting research thematically related to the interdisciplinary scope
- Data analysis of social science texts (e.g. social media data, laws, etc.)
- Support of the project team in general tasks

**Requirements**

- Master's Degree in Computer Science, Computational Linguistics, Digital Media, Media Informatics, or a related field.
- Programming experience in one or more programming languages such as Python, R, Ruby, or equivalent.
- Experience with machine learning.
- Experience with web development.
- Willingness to work in an interdisciplinary and international research team.
- Fluency in English.

### **Desirable**

- Interest in advancing social science by envisioning and implementing computational social science tools
- Experience with computational social science
- Experience with participatory design

The University of Bremen has received a number of awards for its diversity policies and offers a family-friendly working environment as well as an international atmosphere.

The University is committed to a policy of providing equal employment opportunities for both men and women alike, and therefore strongly encourages women to apply for the positions offered. Applicants with disabilities will be considered preferentially in case of equal qualifications and aptitudes. The University of Bremen explicitly invites individuals with migration backgrounds to apply.

If you have any questions regarding the position, please contact Prof. Dr. Andreas Breiter (abreiter@uni-bremen.de).

Applications including a cover letter, CV, copies of degree certificates, with the reference number **A368-22** should be submitted by **01.02.2023** to

Prof. Dr. Andreas Breiter  
Information Management Research Group  
University of Bremen  
Am Fallturm 1  
28359 Bremen

Or electronically (in one PDF file; with the reference number) to Mirjana Etteldorf ([mirjana.etteldorf@vw.uni-bremen.de](mailto:mirjana.etteldorf@vw.uni-bremen.de))

The costs for application and presentation cannot be reimbursed.