

The Collaborative Research Center 1342 “Global Dynamics of Social Policy” at the University of Bremen invites applications for the following academic position

**Post-Doctoral Researcher in Computational Social Science**

Salary Scale TV-L 13 (100%) starting April 1, 2018.

The position is a fixed term position until December 31, 2021

Reference Number: to be announced (we will update this PDF)

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:

**A01. Measuring the global dynamics of social policy and cross-national interdependencies—Co-Creating the Global Welfare State Information System (WeSIS)**

**Project Description**

The project aims to quantify the dynamics of socio-political interdependencies between countries on a global scale. For this, a web-based information system will be developed, which allows a comprehensive analysis of such interdependencies and which will empower social scientists to leverage state-of-the-art machine learning and visualization tools. This system will be co-created by an interdisciplinary team of political scientists, geographers, and computer scientists. Together, we will envision, implement and evaluate novel software tools and techniques. The web-based information system will be the first to enable the dynamic measurement of social policy and horizontal and vertical interdependencies between countries on a global scale. WeSIS will also aggregate the findings of the collaborative research center in a central space. Eventually, WeSIS will contain data on social policy, country-specific characteristics, and political, economic, and social interdependencies across states as well as the countries’ integration into International Organisations.

**Responsibilities**

As human-computer interaction researchers, our research question will focus on co-creation and the empowerment of social scientists. Together with a large group of social scientists, we will build the first information system that gives a holistic picture of the global welfare state.

Your role is defined as building a bridge between computer science and social science. For this, we are looking for a computer scientist with experience in computational social science or a social scientist with proven experience in database design, machine learning and human-computer interaction. You will manage the co-creation activities around the projects. This entails the development and evaluation of the interaction design of the platform. Together with your project partners, you will be part of the development of the information system, which will be made available as a web platform. You will be able to develop your own research agenda based on the context of the project, supported by 4 Ph.D. candidates.

**Requirements**

- Ph.D. degree or equivalent in Computer Science, Human-Computer Interaction, Digital Media, Media Informatics with a clear focus on Computational Social Science or Ph.D. degree or equivalent in Social Science with deep knowledge in database design, machine learning and Human-Computer Interaction
- leadership abilities
- proven experience with user-centered and participatory design
- proven experience with database management systems and machine learning
- interest in advancing social science by developing an online information system
- Level C1 in English

**Desirable**

- proven experience with web development
- proven experience with co-creation

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 encourages particularly women to apply for the position offered. Persons with disabilities will be considered preferentially in case of equal qualifications and aptitudes.

The University of Bremen explicitly invites persons with migration background to apply.

There is not teaching requirement.

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

Applications including a cover letter, a short expose (up to three pages) of your own motivation and possible research questions, CV, a list of publications, as well as copies of degree certificates, should be submitted until January 31, 2018, electronically to: Miss Ewa Zoschke (e.zoschke@uni-bremen.de):

Information Management Research Group

Prof. Dr. Andreas Breiter

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The cost of application and presentation cannot be reimbursed.