

The Ruhr area, one of Europe's largest metropolitan regions, offers attractive career opportunities for excellent scientists and scholars from around the world. In 2021, Ruhr University Bochum, TU Dortmund University and the University of Duisburg-Essen established the Research Alliance Ruhr to bundle their cutting-edge international research on the most urgent challenges facing humankind. There are four research centers and a college. This is just the latest chapter in our long-standing collaboration as the University Alliance Ruhr (UA Ruhr), a community of 14,000 researchers and 120,000 students in the heart of Germany.

The Research Center Trustworthy Data Science and Security is looking for a full-time postdocs (part-time possible) to pursue independent research projects for two years. Payment according to public service's agreement: TV-L E13. The open PostDoc positions shall strengthen our interdisciplinary research team in any of the overarching research areas Psychology & Social Sciences, Artificial Intelligence & Machine Learning, Data Science & Statistical Learning, and Cybersecurity & Privacy and their interfaces. The position will be with the Chair for Causality at the Department of Statistics at TU Dortmund University.

The position will be with the Chair of Causality at the Department of Statistics at Dortmund Technical University.

PostDoc position Causal Machine Learning (2 Years) m/f/d

YOUR RESPONSIBILITIES

- Conducting research in the field of causal machine learning with a focus on causal representation learning, causal discovery, causal inference, or related topics
- Support for lectures (4 SWS starting in the second year) and research proposals
- Supervision of Bachelor's and Master's theses

YOUR QUALIFICATIONS

- PhD in a relevant field (e.g., statistics, computer science, or econometrics)
- Research experience in the area of causal machine learning (e.g., causal representation learning, causal discovery, or causal inference)
- Publications in top tier machine learning or statistics conferences (NeurIPS, ICML, ICLR, AISTATS, UAI, KDD, AAAI, Clear), or journals (JMLR, TMLR, DAMI, JCI)

WHAT WE OFFER

- Work in an outstanding, internationally visible research environment
- Active supervision and promotion of your scientific development
- We aim at both theoretical research as well as practical applications in close collaboration with academic and industrial partners
- Access to state-of-the-art research facilities and resources, including our high-performance compute cluster
- A collaborative and supportive research environment with an international, friendly, and dedicated team
- A balanced and family- friendly work-life relationship is important to us; thus, we offer options for flexible working times or part-time remote home-office.

RESEARCH ALLIANCE RUHR

The Research Alliance Ruhr is a joint undertaking of the three major universities in the Ruhr area and was initiated by the Ruhr Conference. The four research centers focus on "One Health Ruhr", "Chemical Sciences and Sustainability", "Trustworthy Data Science and Security", and "Future Energy Materials and Systems." In addition, the Research Alliance Ruhr has established a "College for Social Sciences and Humanities".

The Research Alliance Ruhr will appoint up to 50 research professors in the next few years and also offer numerous positions for research assistants. Join us now to create innovations for the world of tomorrow in Europe's densest university landscape, where you can find a wide range of scientific and industrial partners right on the doorstep.

YOUR APPLICATION

If you are interested in the position, please send your application (Ref-No. w71-25) until 03rd of December 2025 to:

**Research Center Trustworthy
Data Science and Security Technische
Universität Dortmund
Prof. Dr. Alexander Marx
Joseph-von-Fraunhofer-Str. 25
44227 Dortmund**

open-positions@rc-trust.ai

Please provide the usual documents: motivation letter, CV (including a list of publications), doctoral certificate, or Master's certificate and an estimate when a PhD degree will be awarded, contact details for at least 2 references, research proposal (2-3 pages)

DIVERSITY

The TU Dortmund University promotes diversity and equal opportunities. Convince us with your personality and expertise.

Applications from women will be given preferential treatment in accordance with the legal regulations. It is pointed out that the application of suitable severely disabled persons is desired.

FURTHER INFORMATION

If you have any further questions, please contact:

Prof. Dr. Alexander Marx
<https://rc-trust.ai>