



Open positions in *Methods for Big Data*

As part of the Scientific Computing Center (SCC), the Research Group *Methods for Big Data* at the Department of Informatics at the Karlsruhe Institute of Technology bridges the gaps between Uncertainty Quantification, Statistical and Machine Learning, and Interdisciplinary Applications. The chair is hiring **PhDs** and **Postdocs**. Starting date is as early as possible upon agreement. Payment according to public services agreement: TV-L E13. The positions are full-time, part-time or part-time home office is possible.

Your Expertise and Interests

- * Statistical Learning, Bayesian (Deep) Learning
- * Uncertainty Quantification and Probabilistic Machine Learning
- * Regularization, Smoothing, Variable Selection and Interpretability in High-Dimensional Problems
- * Flexible Distributional Regression
- * Spatial Statistics
- * Causal Inference
- * Calibrated Methods and Continual Learning

Your Qualification

- * Excellent degree (Master of Science for PhD and PhD/doctorate for Postdoc) in statistics, mathematics, data science, computer science, or similar programs.
- * High degree of creativity, commitment, analytical competence, and interdisciplinary teamwork.
- * High proficiency in English, both written and spoken for your scientific publications and presentations.
- * For *Postdoc*: Track record and excellent publications in at least one of the main research areas above.
- * For *Postdoc*: Interdisciplinary research agenda with fundamental theoretical research or practical applications in data science.

What We Offer

We work in a multidisciplinary team on collaborative research projects jointly supervised by leading international experts from different domains. We aim at both theoretical research as well as practical applications in close collaboration with academic and industrial partners. The positions are embedded in a creative, attractive, and internationally renowned research environment. During your PhD/Postdoc, participation in international conferences and voluntary exchange programs are highly encouraged. Our international network of researchers and industry partners ensures a seamless transition into your next career step.

Become a member of staff of the only German University of Excellence that conducts large-scale research on the national level. Work under excellent working conditions in an international environment and be active in research and academic education for our future. Benefit from specific training when starting your job and from a wide range of further qualification offers. Use our flexible working time models (flexitime, work from home), our sports and leisure offers, as well as our child and holiday care services. We also pay a share of EUR 25/month in the Job Ticket Baden-Württemberg. Enjoy a large variety of dishes, snacks, and beverages at our canteens.

We offer you an exciting and varied job within an agile team as well as a wide range of training opportunities. For more information about SCC as your new work home, please visit <https://www.scc.kit.edu/en/aboutus/working-at-scc.php>.

Further information about the chair can be found at:

<https://kleinlab-statml.github.io/>

<https://twitter.com/KleinSLab/>

If you have any further questions, please contact:

Prof. Dr. Nadja Klein

nadja.klein@kit.edu

Your Application

If you are interested in the position, please send your application (as a single pdf with at least 10MB) via mail to nadja.klein@kit.edu

Prof. Dr. Nadja Klein

Research Group Methods for Big Data

Scientific Computing Center and Department of Informatics

Karlsruhe Institute of Technology

Please provide the usual documents: motivation letter, CV, (for *postdoc*: research agenda and publication list) and copies of your certificates