



The recently funded interdisciplinary DFG project „*Boosting copulas – multivariate distributional regression for digital medicine*“ joined with the Universities of Excellence Humboldt-Universität zu Berlin and University of Bonn is looking for

## **2 Doctoral research fellows (f/m/d)**

**(statistician, data scientist, mathematician, computer scientist, or related field with interest in applications in life science)**

to be employed under a limited-time contract of 3 years funded by the Deutsche Forschungsgemeinschaft (DFG). One PhD candidate will be affiliated with the working group Applied Statistics at the School of Business and Economics at Humboldt-Universität Berlin, the other one with the working group Statistical Methods in Epidemiology at the Medical Faculty at the University Bonn. Both candidates will be jointly supervised by Prof. Nadja Klein (Berlin) and Prof. Andreas Mayr (Bonn).

### **Responsibilities**

- Methodological research in the area of advanced statistical modelling for bio-medical data in the line of the DFG project
- Development and implementation of statistical learning algorithms
- Active participation in the activities of the corresponding working groups
- Presentation of the results at international conferences and publications in statistical and bio-medical scientific journals

### **Requirements**

- Outstanding degree in Statistics, Mathematics, Computer Science or related field with specialisation in Statistics, Data Science or Mathematics
- Substantial experience in scientific programming with R, Matlab, Python, C/C++ or similar
- Strong interest in developing novel statistical methodology and its applications in life sciences
- Very good communication skills and team experience, proficiency of the written and spoken English language (German is not obligatory).



### What we offer

- The possibility to obtain a PhD/doctoral degree in the promising area of Data Science in a unique research environment
- The candidates are encouraged to participate in the corresponding international graduate schools and structured PhD programs
- Salary will be based on TV-L (E13, if suitably qualified)

For further information, please contact Nadja Klein or Andreas Mayr directly. Applications (CV, certificates, if possible draft of Master thesis) should be sent as a single PDF file to: [nadja.klein@hu-berlin.de](mailto:nadja.klein@hu-berlin.de) and [amayr@uni-bonn.de](mailto:amayr@uni-bonn.de) indicating at which location (Berlin or Bonn) the applicant prefers to work.

Both the HU Berlin as well as the University of Bonn is committed to diversity and equal opportunity. They aim to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. We therefore urge women with relevant qualifications to apply. Applications from suitable individuals with a certified serious disability and those of equal status will be given preferential consideration. People with an immigration background are specifically encouraged to apply.