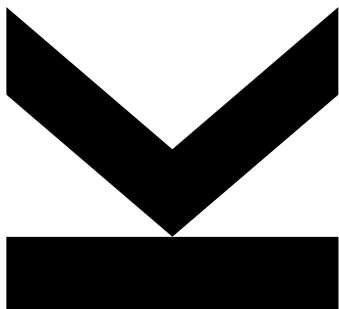


TENURE-TRACK FOR COMPUTATIONAL STATISTICS



INFORMATION FOR APPLICANTS

Index

1. General3
2. Research3
3. Teaching3
4. Infrastructure4
5. Additional Requirements4
6. Tenure (Qualification) Agreement4

1. General

With the advent of Big Data and increasing digitization, companies, organizations and scientists rely on powerful statistical tools to extract valuable insights from the vast streams of data. Computational statistics plays a central role in this, as it not only uses traditional statistical methods, but also incorporates algorithmic and computational approaches. At the Department of Applied Statistics both classical frequentist and Bayesian methods and models are developed and explored in connection with applications in fields such as economics, social sciences, medicine, genomics, as well as applications in industry. Besides within university collaborations, the department also provides statistical support for the medical faculty. The tenure track position on statistical modelling and inference is expected to strengthen and complement the research topics of the Institute of Applied Statistics by contributing to the development of advanced statistical methodology with timely applications in mind. We are also part of the "Kurt Rothschild School of Economics and Statistics," and the successful applicant will become member of this institution.

2. Research

We explicitly do not specify a narrow thematic focus, but are looking especially for outstanding talents that have achieved promising research results already. The successful candidate should have the following research qualifications:

- research experience going beyond a Ph.D.
- an excellent academic track record documented by publications in relation to the academic age
- qualifications to conduct research both independently and in collaboration within the department
- competencies to do research on complex modern statistical methodology and its application

3. Teaching

The Institute of Applied Statistics was the first in the German speaking area to offer a statistics degree program. It currently provides education in statistics and data science both at the bachelor and master level. Furthermore, we are providing service teaching for other disciplines at the university. Jointly with the Department of Economics, we are also offering a Ph.D. program.

At the bachelor level, courses are offered typically in German, whereas teaching takes place in English in our master and Ph.D. programs. We therefore expect non-German speaking candidates to acquire sufficient language skills to teach in German at the bachelor level within the next 3 years.

The position includes teaching obligations equivalent to 4 academic hours per semester.

Ideally, the successful candidate should have teaching experience at the Bachelor and Master level at renowned universities or other academic institutions. If available, please provide teaching evaluations.

4. Infrastructure

The university provides the usual infrastructure for teaching and research. In addition there is the possibility to get access to the high-performance computing infrastructure of the university.

5. Additional Requirements

The successful candidate should have the following additional qualifications:

- Excellent command of spoken and written English.
- High motivation, team spirit, and strong communication skills.

Applicants who possess little or no German language skills will be expected to acquire active, fluent language skills as quickly as possible at a level that will enable the candidate to teach in German and to become a potential participant in university committee activities.

6. Tenure (Qualification) Agreement

Tenure decisions will be based on an agreement between the candidate and the Rectorate. Annual evaluations will include a review of excellence in research and teaching, international experiences, and the acquisition of external funding. Upon completion of the tenure requirements, you are expected to achieve qualifications equivalent to a lecturing license (*venia docendi*). For orientation consult the respective guidelines of the department at

<https://www.jku.at/institut-fuer-angewandte-statistik/service/habilitationsrichtlinien/>