

Tenure Track Assistant Professor/ Associate Professor in Data Science and Statistics

The [Department of Mathematics](#) at [Aarhus University](#) - an international top-100 University – seeks candidates, characterized by excellence and vision in their research, for 1-2 Tenure Track Assistant Professor/Associate Professor position in data science and statistics.

The positions are available from 1 January, 2021.

The [Stochastic Group](#) at the Department of Mathematics has 13 permanent faculty members covering both applied and theoretical aspects of data science, optimization, probability and statistics. The Department has recently started a major educational effort in data science, including a new interdisciplinary study programme, both at bachelor and master level. The data science study programme focuses on skills from mathematics, statistics and computer science and involves also a broad range of topics from applications. The successful candidate is expected to contribute to the data science study programme.

The Department has a strong international profile in probability theory and mathematical statistics, and has close research ties to “Center for Research in Econometric Analysis of Time Series” ([CREATES](#)), at the Department of Economics and Business Economics, as well as to two interdisciplinary centers at the Faculty of Natural Sciences, “Aarhus University Centre for Digitalisation, Big Data and Data Analytics” ([DIGIT](#)) and “Bioinformatics Research Centre” ([BiRC](#)). The Department of Mathematics wants to continue and expand the interdisciplinary research in close collaboration with the surrounding community.

For the open position, we search for 1-2 persons with a broad knowledge of mathematics and statistics towards data science. Research interests of particular relevance include modern statistical theory of big data and high dimensional problems, computational optimization and topological data analysis. In light of the current gender balance at the department, we in particular encourage female applicants to apply.

A successful candidate should have:

- An excellent record of original scientific contributions in statistics and/or data science.
- A documented ability and interest in taking responsibility for teaching courses within data science and/or statistics.
- Demonstrated the ability both for collaborative and independent research.
- A clear potential for obtaining external funding for research activities.

A successful candidate is expected to:

- Participate in and drive research through international collaboration.
- Teach and develop statistics and data science courses (in Danish after some period).
- Supervise students at all levels from Bachelor to PhD.
- Build and sustain a research group around her/himself through external funding.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Denmark is consistently rated in the top 3 among OECD countries with respect to work-life balance, which is part of what makes Aarhus University an attractive workplace. Please find more information about entering and working in Denmark [here](#).

The applicant may upload up to 10 key publications with the application. While the assessment committee will evaluate the overall scientific achievements of all shortlisted candidates, they can only be expected to look into individual scientific results amongst those contained in publications submitted with the application.

The place of work is Ny Munkegade 118, 8000 Aarhus C.

Application Deadline:
01 October 2020

Institute/Faculty:
Department of
Mathematics

Faculty:
Faculty of Natural
Sciences

Academic contact person:
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Vacant positions:
1

Hours per week:
37

Expected date of accession:
01/12/2021

For further information, please contact Head of Department Jacob Schach Møller, email; jacob@math.au.dk

Natural Sciences Tenure Track

Aarhus University offers talented scientists from around the world attractive career perspectives via the Natural Sciences Tenure Track Programme. Highly qualified candidates are appointed as Assistant Professors for a period of six years with the prospect of performance- based advancement to a tenured Associate Professorship position.

The aim of the Natural Sciences Tenure Track Programme is to:

- attract outstanding talented individuals that are competitive at an international level
- to promote the early development of independent research success early in the career of scientists
- to create transparency in the academic career path

As part of the tenure track position, the candidate is offered:

- access to research infrastructure
- capability development, including postgraduate teacher training
- a mentoring programme
- support to develop scientific networks and to secure interdisciplinary research at the highest level

As part of the Aarhus University Tenure Track Programme, the University carries out a mid-way evaluation to review the progress of the tenure track candidate after three years, according to the same criteria used in the final tenure review. The final tenure review is conducted after five and a half years. If the review is positive, the candidate will be offered a tenured position as Associate Professor at Aarhus University.

Please refer to the [tenure track guidelines](#) for the tenure review criteria and for the tenure review process.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the assessment committee if necessary, – the head of department selects the candidates to be evaluated. The selection is made on the basis of an assessment of who of the candidates are most relevant considering the requirements of the advertisement. All applicants will be notified within 6 weeks whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee and will receive his/her assessment. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline. Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

Formalities and salary range

Natural Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Finance and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the

[Memorandum on Job Structure for Academic Staff at Danish Universities.](#)

Salary depends on seniority as agreed between the Danish Ministry of Finance and the Confederation of Professional Associations.

All interested candidates are encouraged to apply, regardless of their personal background. Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,000 employees, and has an annual revenues of EUR 885 million. Learn more at www.international.au.dk/