



UPPSALA
UNIVERSITET

PhD student in Statistics

Published: 2022-06-01



Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 54,000 students, more than 7,500 employees and a turnover of around SEK 8 billion.

The Department of Statistics has about 35 employees, whereof about 10 PhD students. Our main research areas are causal inference, econometrics/time series analysis, high-dimensional statistical inference, and structural equation modelling.

Description of Position

The PhD student position is within the interdisciplinary project "Large-Scale Statistical Machine Learning for the Type 1 Diabetes Management". The aim is to develop machine learning methods which combines high-dimensional statistical inference with algorithmic thinking for efficient decision-making tools in Type 1 Diabetes therapy.

The position involves theoretical work developing advanced statistical methods for detection of blood glucose anomalies to identify life-threatening conditions as well as applied work using large data sets to predict blood glucose dynamics. The research will also involve investigation of ensemble deep learning algorithms in the context of diabetes clinical decision support.

The project leader is Professor Tatjana Pavlenko. The project is supported by Uppsala Diabetes Centre (UDC) and the PhD student is expected to participate actively in the research school at UDC and to collaborate with other PhD students. As the project is interdisciplinary the PhD student will also have supervision at Sci-Life Lab and the Department of Medical Cell Biology.

Duties

A PhD student is expected to mainly devote time to the doctoral education corresponding to 4 years of studies. The work may also involve, to a limited extent (maximum 20%) other departmental duties, mainly related to teaching undergraduate courses – in which case the position may be extended to a maximum of five years.

About the Employment

Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, §§ 1-7 and in Uppsala University's rules and guidelines. The employment is a temporary position according to the Higher Education Ordinance chapter 5 § 7. Scope of employment 100 %. Local guidelines for the salary of PhD students apply for employed doctoral students.

Starting date 2022-09-01 or as agreed.

Required Qualifications

For admission to the PhD program in Statistics, an applicant must have basic and specific eligibility. Anyone with a degree at the advanced level (i.e., a master's degree) with completed course requirements of at least 240 credits (including at least 60 credits at an advanced level) has fulfilled the necessary basic entry requirements.

The specific eligibility requirements for admission to the Ph.D. program in Statistics require that the applicant has passed 90 credits in statistics courses (including at least 60 credits at an advanced level).

Anyone that has acquired equivalent knowledge in any other way, in or out of the country, is also considered to fulfil the basic or specific eligibility requirements.

The candidate should have a good command of spoken and written English and one or more the following areas are considered to be a merit for the position:

- Strong mathematical background.
- Strong background in multivariate statistical analysis.
- Strong background in computational statistics and programming.
- Experience from working with large data.

Further information about eligibility requirements and admission rules can be found on the web site of the University, Admissions Ordinance for Studies at the Graduate Level.

Apply via the link at the bottom of the page. A complete application must include:

- Curriculum Vitae / Résumé, including English proficiency, and the number of semesters of completed statistics studies at the Bachelor and Master level, respectively
- A brief description (1-2 pages) of research interests and relevant experience, and why you apply to the PhD program
- Certified transcript(s) of your academic record/degree(s) to date, proving the basic and specific eligibility
- A copy of independently written work produced within the applicant's course of studies (e.g. bachelor or master thesis; include a draft if not completed) or other relevant text(s)
- Academic references (with contact details)
- Other documents the applicant may wish to attach, e.g. English test results.
We do **not** want any letters of recommendation.

Incomplete applications will not be considered.

For more information please contact project leader professor Tatjana Pavlenko (tatjana.pavlenko@statistik.uu.se) or head of department Ronnie Pingel (ronnie.pingel@statistik.uu.se).

You are welcome to submit your application no later than 21 June 2022, UFV-PA 2022/2241. Use the link below to access the application form.

[Read more about our benefits and what it is like to work at Uppsala University](#)

Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, §§ 1-7 and in [Uppsala University's rules and guidelines](#).

Are you considering moving to Sweden to work at Uppsala University? [Find out more about what it's like to work and live in Sweden](#).

Please do not send offers of recruitment or advertising services.

Submit your application through Uppsala University's recruitment system.

Placement: Department of Statistics

Type of employment: Full time , Temporary position longer than 6 months

Pay: Fixed salary

Number of positions: 1

Working hours: 100 %

Town: Uppsala

County: Uppsala län

Country: Sweden

Union representative: ST/TCO tco@fackorg.uu.se

Seko Universitetsklubben seko@uadm.uu.se

Saco-rådet sacco@uadm.uu.se

Number of reference: UFV-PA 2022/2241

Last application date: 2022-06-21

[Apply for position](#)