

Research Mentoring

A free, independent research mentoring is offered particularly to those who are at the start of their research careers. The idea is to help with confidential advice on career planning outside the normal line of management with research paper planning, shaping research visions, promotions, job applications and research questions, conference attendance, proposal writing and academic conflict management. Meetings can be scheduled during or after working hours.

Contact Prof. Arne Pommerening directly on arne.pommereneing@slu.se.



Scan for more information

The Research School in Applied Statistics and Scientific Computing

is an integrated, international and interdisciplinary research school for MSc-, PhD students and young postdoc researchers. This research school comprises training in quantitative methods as a pre-requisite for competitive high-quality research at national and international level. The courses form a consolidated and consistent system in applied statistics and scientific computing, which is the basis of any research at SLU. As such our research school is a platform for other research schools or individual courses in quantitative research to build on and to plug in. The courses are deliberately designed to stress the applied and interdisciplinary side of statistics for non-specialists. The course participants are also encouraged to bring their own problem to the class.



Research School in Applied Statistics and Scientific Computing

Research Courses in 2018

R for Beginners
Multivariate statistics
Workshop on Mathematical Model Building
and Implementation in R
Introduction to Survey Sampling
Statistical Consultation
R Consultation
Research Mentoring

Centre for Statistics (Statistics@SLU)
SLU@Umeå
Contact: jaimie.uria.diez@slu.se

R for Beginners

R is a programming language and software environment for carrying out computations, manipulating and analysing data and creating various types of high-quality graphs among other things. Over the past five years R has become a standard in plant sciences and a good knowledge of this software/language can be recommended to everybody. The aim of this short course is to introduce the necessary basics to beginners. We will cover basic data structures and functions for computations and data manipulation. We will also show how to import and export data files, visualising data and obtaining summary statistics.

12 March – 13 March 2018, Dr. Jaime Uria-Diez, 1 Hp.

Multivariate Statistics

Multivariate statistics are methods to handle complicated data sets with more than one dependent variable. Upon successful completion of the course participants will be able to analyse data visually, using exploratory data analysis, as well as statistically, using multivariate statistical tools and to critically examine the validity of the statistical analyses.

9 April – 20 April 2018, Dr. Anders Muszta, 4 Hp.

Workshop on Mathematical Model Building and Implementation in R

In this activity, we aim to cover new or popular statistical topics that cannot easily be accommodated in a course. Students and researchers can request a workshop on such a topic and the workshop organiser will also actively look for topics suitable in an SLU context. The workshop typically includes invited speakers and expects students/researchers to give presentations on their ongoing research in the field covered by the workshop. The workshop will be held for the duration of one day from lunch to lunch. For 2018 we have identified the topic of mathematical model building and the implementation of these models in R.

20 August – 21 August 2018, Dr. Anders Muszta, Dr. Jaime Uria-Diez.

Introduction to Survey Sampling

The course is intended for students and researchers of ecology, natural resources, forestry, agriculture and environmental sciences who need to know how to sample natural populations and continuums in a statistically sound manner. Upon successful completion of the course, participants will be able to understand general concepts of survey sampling and design-based inference theory and to analyse data based on basic designs such as simple random sampling, stratified sampling, unequal probability sampling and distance sampling.

3 September - 8 September, 2018, Dr. Svetlana Saarela, 3 Hp.

Statistical Consultation

In addition to statistical courses and workshops we offer free statistical consultations to any SLU MSc, PhD student and researcher. In consultations, potential solutions to statistical problems are discussed and advice on necessary procedures are offered. Consultation complements statistical courses and workshops.

Contact Dr. Anders Muszta or Hilda Edlund directly on anders.muszta@slu.se or hilda.edlund@slu.se, respectively.

R Consultation

Often researchers are involved in complex data management and processing where specific software solutions are not available. In such a case programming skills are required for writing specific code suitable to perform the task required. We offer the service of R consultation to help with the often tiresome debugging process.

Contact Dr. Jaime Uria-Diez directly on jaimе.uria.diez@slu.se.