



Generic Job Description for a Statistician Involved in Statistics@SLU

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Duties

The statistical consultant will contribute to good research practice and research excellence of SLU by handling the following specific tasks with a remit for the whole of SLU at all faculties:

- Consultation in Statistics (major component),
- Teaching in Statistics at BSc, MSc and PhD level (major component),
- Collaborative research¹ (minor component).

A statistical consultant is expected to serve as expert for broad questions relating to a wide range of natural and social science topics within SLU. These questions are typically associated with experimental design, statistical models connected to the analysis of experimental data, often within the field of generalised linear mixed models, including all kinds of analysis of variance and regression models with a number of different error distributions, theory and application of sampling methods, multivariate analysis, analysis of long time series as collected in environmental monitoring, support in statistical software, mainly SAS, R and Minitab, and statistical programming and simulations.

Qualifications

Skills and experience in statistical consultation and teaching would be a merit. The applicant must hold at least a BSc in Statistics or Mathematical Statistics (for a junior position) and a PhD in Statistics or Mathematical Statistics (for a senior position, e.g. (senior) lecturer, docent).

¹Collaborative research is research in the subject areas of SLU, where Statistics is a component. The statistical consultant usually does not act as the first author of publications evolving from this research.

Expectations

- To be able to communicate with clients at an appropriate level including simple and pedagogical explanations of rather complex models to non-specialists as well as discussing theoretical details with advanced users so that the clients have the opportunity to learn and progress their statistical knowledge,
- To understand the basics of the scientific application in question and to discuss the matter with the clients in the terminology of the application,
- To use the “free hours” provided by Statistics@SLU and the consultant’s department/faculty for targeted learning or supplementary training within areas relevant to consultation and teaching,
- To participate in the writing of research papers in collaboration with the clients,
- To contribute to SLU research by co-authoring papers, participating in conferences and/or writing research proposals (assuming that the statistical consultant is provided with basic funding for research time). Minimum targets for senior positions compatible with the duties associated with Statistics@SLU include co-authoring one research paper per year and one research proposal every other year².

Arne Pommerening, Director

²Faculties and departments employing consultants of Statistics@SLU partly sponsor statistical consultation by providing the same amount of state-funded research money as for every researcher but expecting less research output as specified in this bullet point.