

Consultation on biostatistics at the Institute for Veterinary Epidemiology and Biostatistics (IVEB)

As of: 11. December 2018

The Institute for Veterinary Epidemiology and Biostatistics offers consultation on study design and data analysis of studies to members of the Department of Veterinary Medicine.

Consultation

The consultation includes following aspects depending if necessary:

Scientific hypotheses

- Which scientific hypotheses are addressed in the study?
- How can these hypotheses be tested?

Sample size calculation

- Which study type is suitable?
- How many samples have to be investigated?
- Expert reports for application for animal experiments

Data collection, questionnaire development

- General aspects to generate a questionnaire
- Configuration and phrasing of questions and answers
- Selection of suitable questions and answer options
- Generation of online questionnaires

Descriptive statistics

- Structure of suitable tables
- Presentation of results in tables and graphs

Inductive statistics

- Selection of suitable statistical tests
- Implementation in statistics software

General

The Institute for Veterinary Epidemiology and Biostatistics is part of the statistical consultation unit of FU Berlin fu:stat. After your [online registration](#), we arrange an appointment with you.

Depending on the status of the project we schedule up to five appointments: two for project planning, one during data evaluation if necessary, and two or three for data analysis and results documentation (publication, thesis, reporting).

Precondition is that your supervisor is informed about your consultancy appointment.

Timepoint

Ideally, the first appointment takes place during planning of the study in order to verify that the objectives of the study can be met. After finishing the data collection the analysis strategy as well as the statistical methods can be discussed in further meetings.

Basic knowledge

Our consultation follows the principle to help you to help yourself, a complete analysis of the data plus interpretation of results is not possible. We can conduct small analysis or certain steps of analysis as examples together with you.

This means that we assume you to bring basic knowledge about data management (e.g. in MS Excel®) and about statistical analysis using respective software. This knowledge can be acquired or refreshed by visiting courses on the topic (see down).

Courses

Fu:stat and our institute offer courses on e.g. usage of statistics software packages. The programme of the courses reflects our experiences from the consultations and focuses on the needs of the respective target group. We recommend to participate in one or our statistics refresher courses.

Further information can be found here: http://www.vetmed.fu-berlin.de/en/einrichtungen/institute/we16/aus_und_weiterbildung/Kurse/statistikurse/index.html.