

Statistical Modelling (28887-01)

2 ECTS

Methods: Lectures, exercises, computer practicals and project work

Assessment: Written final exam & Assignments

Time: Wednesdays, 09:15-13:00

Dates: starts 11.11.2015, week 9 - 14

Place: Botanisches Institut, Schönbeinstrasse 6, lecture room 003

Remarks: this lecture is a continuation of the Biostatistics please bring your own laptops mandatory for MSc in Epidemiology

Workload: 60 hours

- Lectures (contact hours): 6 lessons of 2 hours = 12 hours
- Practicals and exercises: 6 practicals of 2 hours = 12 hours
- Reading/study/assessment: 36 hours

Objectives: To understand, apply and interpret the results of statistical models for categorical and time to event independent data (logistic, poisson regression, survival models); to be able to identify the appropriate statistical methods for data analysis, apply and interpret the results; to gain insight into statistical thinking; to apply the statistical software STATA for data analysis.

Content:

- Introduction to Generalised Linear Models
- Introduction to Longitudinal Data Analysis
- Introduction to Survival Analysis

Statistical inferences will be taught from the most frequent and maximum likelihood approach.



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