

Module title		Abbreviation
Biometric Methods		o3-TM-BIOM-181-mo1
Module coordinator		Module offered by
Institute of Clinical Epidemiology and Biometry (ICE-B)		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	May not be combined with o3-TM-BSTAT.
Contents		
Working with the statistical software SPSS; preparation of data; descriptive statistics; methods of inferential statistics; statistical modeling for quantitative, binary, ordinal and survival data.		
Intended learning outcomes		
The students are able to prepare data tables, import, export, merge, transform and recode data. They can describe data by numerical measures and present them graphically. They are familiar with tests of significance and confidence intervals and know the common basic methods of statistical analysis. The students perform multiple regression analyses with the general linear model, binary and ordinal logistic regression and Cox regression (including time-dependent covariates) and are able to check for statistical interaction. At the end of the course, the students perform analyses and create tables and figures for a scientific paper.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (3) + S (1) Module taught in: German or English		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Belegarbeit (thesis) Language of assessment: German or English		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Supplementary course Translational Medicine (2018) Master's degree (1 major) Translational Medicine (2018)		