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| Georg-August-Universität Göttingen | | 3 C |
| Module M.iPAB.0014: Data Analysis with R | | 2 WLH |
| Learning outcome, core skills: The students will be able to use methods provided by the statistical package R to perform the analysis of data sets that are typical in the life sciences. A core skill is the identification, usage and evaluation of online resources (e.g. packages and data sets). | | Workload: Attendance time: 28 h Self-study time: 62 h |
| Course: Data Analysis with R (Block course, Lecture, Exercise) <i>Contents:</i> The fundamental concepts of the programming package R will be presented and deepened during practical exercises. Statistical methods will be recapitulated if necessary. Special emphasis is put on visualization methods. <i>Literature:</i> Wiki-book "R programming" https://en.wikibooks.org/wiki/R_Programming "R for Beginners" by Emanuel Paradis https://cran.r-project.org/doc/contrib/Paradis-rdebuts_en.pdf "R tips" by Paul E. Johnson http://pj.freefaculty.org/R/Rtips.pdf | | 2 WLH |
| Examination: Oral examination (approx. 20 minutes) Examination requirements: Ability to analyze typical data sets with the statistical package R and interpretation of the results. | | 3 C |
| Admission requirements: none | Recommended previous knowledge: Knowledge of basic statistics concepts | |
| Language: English | Person responsible for module: Felix Heinrich | |
| Course frequency: each semester | Duration: 1 semester[s] | |
| Number of repeat examinations permitted: twice | Recommended semester: Master: 4 | |
| Maximum number of students: 24 | | |