

<b>Georg-August-Universität Göttingen</b> <b>Modul P.AG.0047: Linear statistical models with R</b> <i>English title: Linear statistical models with R</i>		6 C 3 SWS
<b>Lernziele/Kompetenzen:</b> The students learn state-of-the-art methods of statistical data analysis. This is a key competence that is often asked for in job applications.		<b>Arbeitsaufwand:</b> Präsenzzeit: 30 Stunden Selbststudium: 150 Stunden
<b>Lehrveranstaltung:</b> P.AG.0047.VL <b>Linear statistical models with R</b> (Vorlesung) <i>Inhalte:</i> Introduction to linear statistical models; introduction to the software package „R“. The following topics are covered: Experimental design, hypothesis tests, variable types; general linear models (regression, analysis of variance and covariance); generalized linear models; generalized linear mixed models; model selection and information theory.		3 SWS
<b>Prüfung: Hausarbeit (max. 20 Seiten)</b> P.AG.0047.Mp: Linear statistical models with R <b>Prüfungsvorleistungen:</b> Succeed in all written homework <b>Prüfungsanforderungen:</b> Written thesis on one of the topics described above. Each student has to prove that he/she is able to analyze a given complex dataset on his/her own. The thesis will have to be written in English language. It is also possible to analyze an example dataset from the student's dissertation thesis.		6 C
<b>Zugangsvoraussetzungen:</b> keine	<b>Empfohlene Vorkenntnisse:</b> keine	
<b>Sprache:</b> Englisch	<b>Modulverantwortliche[r]:</b> Prof. Dr. Catrin Westphal	
<b>Angebotshäufigkeit:</b> jedes Wintersemester	<b>Dauer:</b> 1 Semester	
<b>Wiederholbarkeit:</b> einmalig	<b>Empfohlenes Fachsemester:</b>	
<b>Maximale Studierendenzahl:</b> 10		