

	<b>Theodor Brinkmann Graduate School</b>		 UNIVERSITÄT <b>BONN</b>
BIGS-TB-46	Course on R programming language		
Coordinator(s)	Dr. Boby Mathew		
Instructor(s)	Dr. Boby Mathew		
Course Description	<ol style="list-style-type: none"> <li>1. General introduction to R</li> <li>2. Data manipulation in R</li> <li>3. Classical statistical tests using R</li> <li>4. ANOVA, PCA and Factor analysis using R</li> <li>5. Graphics in R : Using packages 'ggplot2' and 'lattice'</li> <li>6. Statistical models in R : Linear models, Generalized linear models, Non-linear regression</li> <li>7. Introduction to 'rrBLUP': A package for genomic prediction</li> <li>8. Introduction to 'r/qtl' : A package for QTL mapping</li> </ol>		
Course Outline			
Requirements	Elementary statistics		
Credit Points	Teaching Methods		Percentage
Organization and time	Registration: a registration is required, please register by e-mail (boby.mathew@hotmail.com) Time and Location: The course will start on <b>4th September 2018</b> . Further information on time and location will be announced in the electronical course catalogue of the university (www.basis.uni-bonn.de)		
Language	<a href="#">English</a>		