
wir808 - Multivariate Statistics

Module label	Multivariate Statistics			
Modulkürzel	wir808			
Credit points	6.0 KP			
Workload	180 h			
Verwendbarkeit des Moduls	• Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules • Stecking, Ralf Werner (module responsibility) • Lehrenden, Die im Modul (Prüfungsberechtigt)			
Zuständige Personen				
Prerequisites				
Skills to be acquired in this module	With successful completion of the course, students shall: • be aware of and be able to evaluate advanced methods of multivariate data analysis. • be able to select adequate methods in relevant fields of application, like prediction, classification, and segmentation analysis. • be able to run computer-aided analyses and to interpret the results properly.			
Module contents	Various methods of quantitative data analysis such as: • Linear Regression, • Logistic Regression, • Linear Discriminant Analysis, • Principal Component Analysis, • Feature selection and evaluation methods.			
Literatureempfehlungen	Backhaus, Erichson, Plinke, Weiber (2015): Multivariate Analysemethoden, 14. Aufl., Springer, Berlin Litz, H.P. (2000): Multivariate Statistische Methoden, Oldenbourg, München Hartung, J. und Elpelt, B. (2006): Multivariate Statistik, 7. Aufl., Oldenbourg, München Berthold, M. und Hand, D.J. (2010): Intelligent Data Analysis, 2. Aufl., Springer, Berlin Witten, I.H. und Frank, E. (2011): Data Mining, 3. Aufl., Morgan Kaufmann, San Francisco			
Links				
Language of instruction	German			
Duration (semesters)	1 Semester			
Module frequency	jährlich			
Module capacity	unlimited			
Type of module	je nach Studiengang Pflicht oder Wahlpflicht			
Module level	MM-PB (Professionalisierungsbereichsmodul im Master)			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	at the end of the semester		written exam or oral exam	
Lehrveranstaltungsform	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2		28
Präsenzzeit Modul insgesamt				56 h