

Computational Statistics

332125033/MA ECON AM ECS COMPSTAT



Content and learning outcomes

Content	The course explains ideas and methodological issues of computationally intensive statistical methods. There will be a special emphasis on algorithmic and numerical aspects of practical implementation.
Learning outcomes	Successful students are able to solve methodological, numerical and algorithmic problems encountered in empirical work.

Teaching and learning methods

Type of course/learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Computational Statistics	English	open	4 hours	60
Self-study					165

Prerequisites

obligatory	none
recommended	Basic Module <i>Econometrics</i>

Degree program allocation

Study Program	obligatory/ elective	Semester
Master of Science Economics Study Fields: Econometrics and Statistics	elective	2nd
Master of Science Mathematics	elective	2nd

Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)		Credits
Prerequisites for participation	none	7,5 CP
Types of Assessment (graded, incl. weighting factor)	Written or oral exam or term paper (graded, 100%) - English	
Examination language		

Course Cycle

Course Cycle	Workload	Duration
Winter term <input type="checkbox"/> Winter and Summer term <input checked="" type="checkbox"/> Summer term <input type="checkbox"/>	225 h	1 Term

Module coordination

Teaching person	See https://basis.uni-bonn.de
Module coordinator	Prof. Dr. Alois Kneip
Institute/Department	Department of Economics

Further Information

(Reading lists, information links etc.)	
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