

# Computational Statistics

MA ECON AM ECS COMPSTAT



## Content and learning outcome

<b>Content</b>	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.
<b>Learning outcome</b>	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	30	4 hours	60
Self-study					165

## Prerequisites

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

## Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Economics (M.Sc.)/Econometrics & Statistics/332125033/332025033	elective	2 <sup>nd</sup>
Export*/332025033/3320205033		

## Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)	Credits
<b>Prerequisites for participation</b>	7,5 CP
<b>Types of Assessment</b>	
<b>Examination language</b>	

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

<b>Teaching person</b>	See <a href="https://basis.uni-bonn.de">https://basis.uni-bonn.de</a>
<b>Module coordinator</b>	Prof. Dr. Alois Kneip
<b>Institute/Department</b>	Department of Economics

## Further Information

<b>Literature</b>	Literature will be announced in class.
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\* export into other study programs is only possible if contract between faculties exists