

1st semester	2nd semester	3rd semester	4th semester
Module MD 1: Advanced Statistical Learning Advanced Statistical Learning (4+2); 9 ECTS; Graded module exam	Module MD 4: Project Work Case Studies (4P) or External Internship; 8 ECTS; Graded partial work	Seminar (2S); 4 ECTS; Graded partial work	Module MD 6: Master Thesis Prerequisites: Modules MD 1 and MD 4 30 ECTS; Course achievement: Advanced Seminar („Oberseminar“); Graded module exam: Master Thesis
Module MD 2: Statistical Theory Statistical Theory (4+2); 9 ECTS; Graded module exam	Module MD 5: Big Data Big Data Analytics (4+2); 9 ECTS; Graded module exam	Graded module exams or accumulated graded exams (at least 24 ECTS in total)	
	Elective courses: Methods Elective modules from catalogue		
Module MD 3: Data Science in Practice Programming course (2 to 4 P); 3 ECTS; Data Science in Context (2); 3 ECTS; Accumulated graded exams	Elective courses: Applications Elective modules from catalogue	(In the entire elective area – Methods and Applications – modules with a total of 45 ECTS are to be chosen.) Graded module exams or accumulated graded exams (at least 16 ECTS in total)	
Total: 30 ECTS	Total: 30 ECTS	Total: 30 ECTS	Total: 30 ECTS

blue: courses at the Faculty of Statistics
 green: courses at the Faculty of Computer Science
 brown: (joint) courses at this or other faculties

Denoted hours:
 S: Seminar
 P: Practical course
 else: Lecture + Tutorial or Lecture only

1st semester	2nd semester	3rd semester	4th semester
Module MD 5: Big Data Big Data Analytics (4+2); 9 ECTS; Graded module exam	Module MD 4: Project Work Seminar (2S); 4 ECTS;	Case Studies (4P) or External Internship; 8 ECTS; Accumulated graded exams	Module MD 6: Master Thesis Prerequisites: Modules MD 1 and MD 4 30 ECTS; Course achievement: Advanced Seminar („Oberseminar“); Graded module exam: Master Thesis
Elective courses: Methods Elective modules from catalogue	Module MD 1: Advanced Statistical Learning Advanced Statistical Learning (4+2); 9 ECTS; Graded module exam	Graded module exams or accumulated graded exams (at least 24 ECTS in total) (In the entire elective area – Methods and Applications – modules with a total of 45 ECTS are to be chosen.)	
	Module MD 2: Statistical Theory Statistical Theory (4+2); 9 ECTS; Graded module exam		
Module MD 3: Data Science in Practice Programming course (2 to 4 P); 3 ECTS; Accumulated graded exams	Elective courses: Applications Data Science in Context (2); 3 ECTS;	Elective modules from catalogue Graded module exams or accumulated graded exams (at least 16 ECTS in total)	
Total: 30 ECTS	Total: 30 ECTS	Total: 30 ECTS	Total: 30 ECTS

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