

Course Description – Winter 2023/2024

Title	Data Science
Faculty	Business and Economics
Professor	Prof. Dr. Diego d’Andria
ECTS	5
Level	Bachelor
Requirements	-
Add. Information	Students have to take a comprehensive written in-class examination.
Content	The course presents a variety of computational methods that are employed to analyze data. These methods are used both in science and in business practice and are complementary to econometric methodologies. Students will be introduced to ways to store, represent, manipulate and query (using the SQL language) for data, they will be taught about clustering and network analysis methods, bootstrapping, sampling techniques and optimization algorithms. Theory will then be translated into practice by using the statistical package R, with exercises in class.