



Universiteit Utrecht

Utrecht Summer School Specialization in Methodology & Statistics of Data Science

Earn a certificate in Data Science from Utrecht University's Department of methodology & statistics!

Methodology & Statistics deals with methods and techniques of data collection and analysis for a wide range of applications, including business, medicine, public health, sociology, psychological testing, and other fields of study. The department of Methodology & Statistics at Utrecht University is the largest in the Netherlands, and houses internationally renowned researchers with breadth and depth of experience in data analysis methods & techniques.

Data science is a broad and rapidly growing field that includes statistics, but also deals with broader issues such as visualization, engineering (programming), database systems, business cases, and communication/presentation. This broader view of what can be done with data is rapidly making Data Science into one of the most sought-after degrees in the world.

The specialization in Methodology & Statistics of Data Science gives you a unique perspective on Data Science by teaching:

- Commonly used statistical tools and concepts from the broader perspective of a data scientist;
- Commonly used techniques in data science (programming, data mining, machine learning, databases) from the perspective of a statistician.

This combination of perspectives, in between purely applied and purely theoretical, is intended to confer you with a skill set that is highly desirable for a job in research or industry.

The Certificate in Methodology & Statistics of Data Science consists of three courses:

1. [Data Science: Statistical Programming with R](#) (Course code S24)
2. [Data Science: Multiple Imputation in Practice](#) (Course code S28)
3. [Data Science: Data Analysis and Visualization](#) (Course code S31)

These courses have been adapted to or created specifically for the specialization. Each can also be taken separately. Successful completion of all three courses entitles you to the certificate.

For information on each course, please see the course page by following the links above. To request the certificate or more information, please contact Irma Reyersen (ms.summerschool@uu.nl).