



INSTITUTE FOR STRATEGY,  
TECHNOLOGY AND ORGANIZATION

## Prep-Course on Data Science with DataCamp Summer Semester 2026

### Basic Information

Type of Course: Seminar for doctoral candidates (B/II)

Term: SoSe 2026

Language: English

There is no participant limit.

### Lecturer/Course Coordinator

Dr. Svenja Friess

### Registration

To register, please send an email to Dr. Svenja Friess [s.friess@lmu.de](mailto:s.friess@lmu.de)

Registration Deadline: **12th of April 2026 (11:59 pm)**

### Dates & Location

**Mandatory Kick-off:** Tuesday, **14th of April 2026**, 2:00-3:00 pm, via Zoom.

Zoom Link: will be provided via email

**Credits:** 4 SWS towards B/II module

### Examination

Successful completion of the mandatory online courses. Please send the certificates issued by DataCamp to the lecturer's email.

In case of questions, please contact Svenja Friess ([s.friess@lmu.de](mailto:s.friess@lmu.de)).

### Overview

We are witnessing a fundamental shift into big data and programming in our research routine. Many MBR courses assume specific knowledge of Python. With this course, students have the opportunity to learn in advance how to code in Python, so they can fully exploit the MBR courses' content.

## Course Structure

The course consists of a kick-off and online sessions dedicated to learning to code with Python. After completing the mandatory online course, students have the opportunity to build their curriculum.

- Students enrolled in the course have access for six months to 300 hours of data science videos and coding exercises on DataCamp.
- Students should choose specialized courses to leverage their skills in data manipulation, visualization, and analysis.
- DataCamp offers a broad range of courses that cover programming, statistics, machine learning, finance models, etc. The online classes are not limited to Python, but span to R, SQL, GIT, and Shell.

## Compulsory courses:

- Intro to Python for data science (\*)
- Intermediate Python for data science
- Python data science toolbox
- Note: The \*course listed above is mandatory preparation material for the following courses: Textual Analysis (B/II).

## Recommended courses (this list is not exhaustive):

- Introduction to Data Visualization with Seaborn
- Intermediate Data Visualization with Seaborn
- Web Scraping in Python
- Introduction to Natural Language Processing in Python
- Introduction to R
- Intermediate R
- Cleaning Data in R
- Introduction to Data Visualization with ggplot2
- Introduction to Natural Language Processing in R