Exchange programme Vrije Universiteit Amsterdam

Vrije Universiteit Amsterdam - Exchange programme Vrije Universiteit Amsterdam - 2024-2025

Exchange

Vrije Universiteit Amsterdam offers many English-taught courses in a variety of subjects, ranging from arts & culture and social sciences, neurosciences and computer science, to economics and business administration.

The International Office is responsible for course approval and course registration for exchange students. For details about course registration, requirements, credits, semesters and so on, please [visit the exchange programmes webpages](#).

Data Wrangling

Course Code	XB_0014
Credits	6
Period	P3
Course Level	300
Language Of Tuition	English
Faculty	Faculty of Science
Course Coordinator	prof. dr. S. Bhulai
Examiner	prof. dr. S. Bhulai
Teaching Staff	prof. dr. S. Bhulai, L. Wehbi, M.J. Pellemans MSc
Teaching method(s)	Seminar, Lecture

Course Objective

The course is geared toward getting data ready for its end purpose. After this course, the student should be able to:

1. acquire data from different online and offline sources,
2. understand how to clean and pre-process data,
3. transform data for analytics purposes,
4. perform feature engineering,
5. visualize data.

Course Content

Data wrangling is the process of gathering data in its raw form and molding it into a form suitable for its end use. This course is about how to gather the available data and produce an output that is ready to be used. A number of common steps in the data wrangling process will be discussed, including acquiring, cleaning, shaping, and structuring the data, as well as feature engineering and visualization.

Additional Information Teaching Methods

Lectures (6 x 2 hours) and Q&A sessions (3 x 2 hours).

Method of Assessment

The final grade is determined by hand-in assignments (30% of the final grade), a presentation, and a report (70% of the final grade). Both parts must be passed with a grade of at least 5.5. There are no resit options due to the nature of this course.

Literature

Slides

Additional Information Target Audience

3BA, 3LI, 3CS, 3IMM

Recommended background knowledge

Programming experience in Python.