

COURSE DETAIL

DATA ANALYSIS AND VISUALIZATION FOR THE HUMANITIES AND SOCIAL SCIENCE

Country

Netherlands

Host Institution

Maastricht University – University College Maastricht

Program(s)

University College Maastricht

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

107

UCEAP Course Suffix**UCEAP Official Title**

DATA ANALYSIS AND VISUALIZATION FOR THE HUMANITIES AND SOCIAL SCIENCE

UCEAP Transcript Title

DATAANALYSIS&VISUAL

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course focuses on data analysis, an algorithmic-driven method of extracting text from (large) corpora, in literary and historical sources and social media. The course includes a mini big data project to provide hands-on experience and an understanding of the affordances and limitations of data analysis methods. No background in the methods or programming skills is needed. Easy-to-learn web-based tools and software are used. Theoretically, the course explores how the representation of text in more visual formats which are typically removed from its semantic contexts, offers opportunities for both new insights as well as misrepresentation. Concepts covered include distant reading, algorithmic visualization, and data feminism. This course helps students become more savvy users of digital information: the implications and challenges that methods and technologies pose to conventional research, analysis, and publication in the arts, humanities, and social sciences, including issues such as transparency, authenticity, and bias.

Language(s) of Instruction

English

Host Institution Course Number

HUM2059

Host Institution Course Title

DATA ANALYSIS AND VISUALIZATION FOR THE HUMANITIES AND SOCIAL SCIENCE

Host Institution Course Details

<https://www.maastrichtuniversity.nl/ucm-university-abroad-advisors>

Host Institution Campus

University College Maastricht

Host Institution Faculty

Humanities

Host Institution Degree**Host Institution Department****Course Last Reviewed**

2023-2024

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