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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