

COURSE DETAIL

RESPONSIBLE DATA SCIENCE

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

121

UCEAP Course Suffix**UCEAP Official Title**

RESPONSIBLE DATA SCIENCE

UCEAP Transcript Title

RESPNSIBLE DATA SCI

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Responsible Data Science is examined through the lens of four introductory dimensions: data dimension; algorithm dimension; human dimension, including psychology of human biases and ethics or moral philosophy; design dimension, including data visualization and interaction design and explainable artificial intelligence (XAI).

Throughout this course, students follow lectures and workshops, read literature, engage in class discussions, give presentations, critique, and conduct an investigation on a topic related to a (self-chosen) real-world ethical problem related to data science in a particular domain. The project also contains a practical solution to the problem illustrated in a low-fidelity prototype.

Language(s) of Instruction

English

Host Institution Course Number

INFOB3RDS

Host Institution Course Title

RESPONSIBLE DATA SCIENCE

Host Institution Campus

Utrecht University

Host Institution Faculty

Faculty of Science

Host Institution Degree

Host Institution Department

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