

COURSE DETAIL

OPEN DATA SCIENCE

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Communication

UCEAP Course Number

117

UCEAP Course Suffix**UCEAP Official Title**

OPEN DATA SCIENCE

UCEAP Transcript Title

OPEN DATA SCIENCE

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

This course introduces "open" tools and methods for processing and visualizing data types such as structured data, text data, and temporal data. It discusses the opportunities and challenges in relation to working with large amounts of data, including ethical conditions regarding data acquisition, storage, aggregation, publication, and use. The course applies theories and concepts to define and analyze issues relating to large amounts of data. Students learn to develop solutions for retrieval and sorting structured and unstructured data, as well as process and represent data visually. The course largely involves hands-on cases working with relevant data sets, including an introduction to the language Python and the use of Python for data analysis such as text mining and sentiment analysis. It also introduces the principles behind FAIR data and explores ethical issues when working with open data.

Language(s) of Instruction

English

Host Institution Course Number

HIVB10078U

Host Institution Course Title

OPEN DATA SCIENCE

Host Institution Campus

Host Institution Faculty

Faculty of Humanities

Host Institution Degree

Bachelor

Host Institution Department

Department of Communication

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