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 Course Details
https://kurser.ku.dk/course/hivb10078u/2022-2023

Host Institution Campus

Host Institution Faculty
Faculty of Humanities

Host Institution Degree
Bachelor

Host Institution Department

Department of Communication

Course Last Reviewed
2022-2023

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