

COURSE DETAIL

INTRODUCTION TO DATA SCIENCE

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO DATA SCIENCE

UCEAP Transcript Title

INTRO DATA SCIENCE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The purpose of the course is to introduce non-Computer Science students to probabilistic data modelling and the most common techniques from statistical machine learning and data mining. It provides a working knowledge of basic data modelling and data analysis using fundamental machine learning techniques. Topics include: foundations of statistical learning, probability theory; classification methods, such as Linear models, K-Nearest Neighbor; regression methods, such as Linear regression; Bayesian Statistics; clustering; dimensionality reduction and visualization techniques such as principal component analysis (PCA).

Language(s) of Instruction

English

Host Institution Course Number

NDAK16003U

Host Institution Course Title

INTRODUCTION TO DATA SCIENCE

Host Institution Course Details

<https://kurser.ku.dk/course/ndak16003u/2024-2025>

Host Institution Campus

Host Institution Faculty

Science

Host Institution Degree

Master

Host Institution Department

Computer Science

Course Last Reviewed

2024-2025

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