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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