

COURSE DETAIL

DATA VISUALIZATION

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Mathematics

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

DATA VISUALIZATION

UCEAP Transcript Title

DATA VISUALIZATION

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

In this online course, learn how to construct graphs and visualizations according to the theory *Grammar of Graphics*. Learn how to create visualizations yourself using the software *R* and its package *ggplot2*. A central part of creating visualizations is making choices. Through the choices you make, your visualizations are more or less intelligible and also highlight different aspects of the data. An important element of the course is therefore to review visualizations by other course participants. Topics covered in the course include introduction to *R* and *ggplot2*; choice of color, symbols, scales, and perspective (2D, 3D); summation and abstraction; interactive visualizations; maps and spatial data; visualization of statistical models.

Language(s) of Instruction

English

Host Institution Course Number

STAE04

Host Institution Course Title

DATA VISUALIZATION

Host Institution Course Details

<https://www.lunduniversity.lu.se/lubas/i-uoh-lu-STAE04>

Host Institution Campus

Lund

Host Institution Faculty

Economics and Management

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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