

COURSE DETAIL

STATISTICS A

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

STATISTICS A

UCEAP Transcript Title

STATISTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers conditional distributions based on densities, including conditioning in the Gaussian distribution; hierarchical/mixed-effects models (theoretical and practical aspects); Bayesian analyses and computations, such as prior and posterior distributions, credible intervals, MCMC sampling; and software for mixed-effects models and Bayesian computations. This is an advanced course in statistics; it is not an introductory course. Prerequisites include probability distributions with densities, linear normal models, logistic and Poisson regression, R usage.

Language(s) of Instruction

English

Host Institution Course Number

NMAK20003U

Host Institution Course Title

STATISTICS A

Host Institution Course Details

<https://kurser.ku.dk/course/nmak20003u/2024-2025>

Host Institution Campus

Host Institution Faculty

Science

Host Institution Degree

Master

Host Institution Department

Mathematical Sciences

Course Last Reviewed

2024-2025

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