

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 Campus

Host Institution Faculty

Science

Host Institution Degree

Master

Host Institution Department

Mathematical Sciences

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