



Applied Statistics for Researchers and Developers

E-learning course, February 17 – May 14, 2010

Are you regularly coming across statistical assessments in your work?
Do you want to learn more? – This course may help you

E-learning course in statistics?

Internet-based teaching where you decide the time and place!
Where communication and interaction between teachers and co-participants
in an informal tone are the basis for success!

Short description of the course

The course covers 6 modules each running over 2 weeks. The expected work-load per module is up to 25 hours of work. The topics of the 6 modules are

- Introduction to R and descriptive statistics
- Populations, samples and statistical fundamentals; comparing groups
- Curve fitting and regression
- Factorial experiments
- Analysis of count data and binary data
- Models with random effects and repeated measures

A quick basic review of statistical concepts is included in the first two modules, but the course then quickly progresses to a more advanced and realistic complexity. With the help of the statistical software R, you try the various methods during examples, exercises and discussions. Examples are mainly from bio-sciences. This angle of applications also affects the content of the course.

Starting level

You have had an introductory course in statistics and during your work you have frequently encountered statistical analysis and assessments such as p-values, confidence intervals, t-tests, standard errors. You sometimes carry out statistical analyses yourself, but may be uncomfortable with it and want to learn more.

Learn more about the course

If you want learn more about course content, e-learning at Life and diploma, see Life's homepage www.life.ku.dk under Education/continuing education/short term courses or email the scientific secretariat dittec@life.ku.dk.

Registration and course fee

You sign up by mail to dittec@life.ku.dk at the latest on February 5, 2010. Course fee is 10000 DKK (Danish kroner). Number of participants is limited to 30. Selection among timely applications is mainly on a first-come first-serve basis, secondly on regional and occupational distribution of participants.

Course responsible is **Professor Ib Skovgaard**

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