



Quantitative data analysis and applied statistics

The PhD School in
Business Economics

Purpose: The idea of the course is to approach quantitative data analyses at an introductory level from a hands-on perspective.

Course responsible: Associate Professor Per Vejrup-Hansen

Lectures: Associate Professor Per Vejrup-Hansen and Professor Keld Laursen

Content of the course:

1. To provide basic tools for data analysis, i.e. for inspection, control and organization of data, and classification of categories of variables.
2. To construct and understand descriptive statistics and correlates (of the standard journal article type).
3. To use and apply standard regression models inclusive of logistic regression. The programming language and procedures to be used are primarily SAS Software.

Topic 1 is typically not taught in standard courses in statistics, and topic 2 should be seen as a mandatory package of statistical measures and not just as various alter-native measures. Topic 3 is an introduction to regression models and techniques only: in-depth treatment of a series of multivariate analyses would require a lengthy course and details might be irrelevant for specific projects; deeper insight in particular analyses should be part of supervision of individual PhD projects and/or obtained through specialized courses. Types of more advanced analyses will be indicated through a short overview. Exercises are included using SAS software on a specific dataset.

Prerequisite: The course requires basic qualifications in statistics, but does not require knowledge of SAS language and procedures. Participants can bring their own laptop computer with SAS software installed, but we have booked CBS computer facilities.

Literature:

- Cody, Ronald P. & Jeffrey K. Smith: Applied Statistics and the SAS Programming Language. 4th Ed., Prentice Hall, 1997
- Wonnacott, Thomas H. & Ronald J. Wonnacott: Introductory Statistics. Fifth Ed., John Wiley & Sons, 1990. Part III (Regression: Relating two or more variables), p. 355-514

Date:
22- 24. August 2005

Time:
9-12 and 13-17

Place:
Copenhagen Business School

Address:
Copenhagen Business School
Solbjerg Plads 3
2000 Frederiksberg

Room:
1 floor, SP 108

ECTS: 3

Fee:
3600 DKK (480 €)
Not to be paid by PhD students
enrolled at a Danish University

Language:
English

Participants max:
No more than 15

Enrolment deadline:
July, 15 2005

Applications to:
Kirsten Suhr Jacobsen
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stating your name, email,
department and university

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