



APPLIES TO ACADEMIC YEAR 2010/2011

FORK 1002 Preparatory Course in Elementary Statistics

Programme

Master of Science in International Management, Master of Science in International Marketing and Management, Master of Science in Leadership and Organizational Psychology, Master of Science in Political Economy, Preparatory Course - Master

Responsible for the course

Ulf Henning Olsson

Department

Department of Economics

Term

According to study plan

ECTS Credits

0

Language of instruction

English

Introduction

This course focuses on the concepts and tools of statistics relevant to business. The course also gives practical examples relevant in social science.

Learning outcome

To provide students with understanding of the fundamentals of basic statistical principles and their applications; skills necessary for interpretation and evaluation of statistical data; knowledge of the assumptions required for basic statistical procedures.

Prerequisites

The emphasis is on concepts and applications rather than on computational ability and skill. However, it will be required of students to add, subtract, multiply, and divide in this course!

Compulsory reading

Books:

Hair, Joseph F. ... [et al.]. 2010. Multivariate data analysis : a global perspective. 7th ed. Upper Saddle River, N.J. : Pearson. Selected chapters

Other:

Selected readings and hand-outs during the course

Recommended reading

Course outline

Key Statistical Concepts (1 hour)

Population

Sample

Basic Statistics (3 hours)

Descriptive statistics

Point estimation

Hypothesis testing and interval estimation for one and two samples.

Simple Linear Regression Analysis (8 hours)

Bivariate correlation analysis

The linear regression model

Estimation

Hypothesis testing

Introduction to analysis of variance (ANOVA) (3 hours)

Multiple group analysis using ANOVA

ANOVA and regression analysis

Computer-based tools

Practical examples and assignments will involve extensive use of statistical software such as SPSS.

Learning process and workload

15 hours with another 5 hours for the use of statistical software

Coursework requirements

Not applicable

Examination

Not applicable

Examination code(s)

Not applicable

Examination support materials

Not applicable

Re-sit examination

Not applicable

Additional information

Academic honesty and trust are important to all of us as individuals, and represent values that are encouraged and promoted by the honor code system. This is a most significant university tradition. Students are responsible for familiarizing themselves with the ideals of the honor code system, to which the faculty are also deeply committed.

Any violation of the honor code will be dealt with in accordance with BI's procedures for cheating. These issues are a serious matter to everyone associated with the programs at BI and are at the heart of the honor code and academy integrity. If you have any questions about your responsibilities under the honor code, please ask.