

APPLIES TO ACADEMIC YEAR 2015/2016

FORK 1002 Preparatory Course in Statistics

Responsible for the course

Genaro Sucarrat

Department

Department of Economics

Term

According to study plan

ECTS Credits

0

Language of instruction

English

Introduction

This course focuses on statistical concepts and tools of relevance in business and managerial economics in particular, and in the social sciences more generally.

Learning outcome

To provide students with the understanding of the fundamentals of basic statistical principles; the skills necessary for interpretation and evaluation of data; sufficient knowledge for the adequate application of basic statistical procedures.

Prerequisites

The emphasis is on concepts and applications rather than on computational ability.

Compulsory reading

Books:

Groebner, David F. et al.. 2011. Business statistics: a decision-making approach. 8th ed., International ed. Pearson. Selected chapters

Other:

Excercises, selected readings and hand-outs during the course

Recommended reading

Course outline

Key Concepts and Basic Statistics (4 hour)

Key Concepts

Descriptive Statistics

Frequency and Probability Distributions

Hypothesis Testing

P-Values

Interval Estimation

Regression Analysis (8 hours)

- Bivariate correlation analysis
- The linear regression model
- Estimation
- Hypothesis testing

Qualitative independent variables (3 hours)

- Qualitative vs. quantitative variables
- Dummy variables
- Combining qualitative and quantitative variables

Computer-based tools

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

Learning process and workload

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

Examination

Not applicable

Examination code(s)

Not applicable

Examination support materials

Not applicable

Re-sit examination

Not applicable

Additional information

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