



APPLIES TO ACADEMIC YEAR 2014/2015

FORK 1002 Preparatory Course in Elementary Statistics

Programme

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

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. However, it will be required of students to add, subtract, multiply, and divide in this course.

Compulsory reading

Books:

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

Other:

Selected readings and hand-outs during the course

Recommended reading

Course outline

Key Statistical Concepts (4 hour)

- Population
- Sample
- Descriptive statistics
- Point estimation
- Hypothesis testing and interval estimation for one and two samples.

Regression Analysis (8 hours)

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

Qualitative independent variables (3 hours)

- Qualitative independent variables and dummy variables
- Dummy variables and regression

Computer-based tools

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

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

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

Any violation of the honour 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 honour code and academy integrity. If you have any questions about your responsibilities under the honour code, please ask.