APPLIES TO ACADEMIC YEAR 2015/2016

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.

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

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

All courses in the Masters programme will assume that students have fulfilled the admission requirements for the programme. In addition, courses in second, third and/or fourth semester can have spesific prerequisites and will assume that students have followed normal study progression. For double degree and exchange students, please note that equivalent courses are accepted.

Compulsory reading
Books:
Groebner, David F., Patrick W. Shannon, Phillip C. Fry. 2014. Business statistics : a decision-making approach. 9th ed., International ed. Pearson. Selected chapters

Other:
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

Learning process and workload
15 hours with another 5 hours for the use of statistical software

Examination
Not applicable

Form of assessment	Weight	Group size
Not applicable		

Examination code(s)
Not applicable

Examination support materials

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.