Basic Statistics

Academic Year: (2022 / 2023) **Review date: 25-11-2020**

Department assigned to the subject:

Coordinating teacher: SANCHEZ-CUENCA RODRIGUEZ, IGNACIO

Type: Additional training ECTS Credits : 2.0

Year : 1 Semester :

OBJECTIVES

Learning outcomes

Mastery of the fundamental concepts and formulas of descriptive statistics.
Interpretation of graphs and tables.
Mastery of statistical software.

DESCRIPTION OF CONTENTS: PROGRAMME

1. Univariate analysis of data
2. Graphical representation of data
3. Contingency tables.
4. Association between variables.
5. Correlation analysis.
6. Bivariate diagrams.

LEARNING ACTIVITIES AND METHODOLOGY

Competencies will be acquired by students through:
I] Master classes: 5 sessions
II] Practical classes: 5 sessions
Activities [I] and [II] will be devoted to developing exercises, problems, and case studies.

ASSESSMENT SYSTEM

Continuous evaluation: 50%.
Final exam: 50%.

% end-of-term-examination:	50
% of continuous assessment (assigments, laboratory, practicals…):	50

BASIC BIBLIOGRAPHY

- Thomas Cleff Exploratory Data Analysis in Business and Economics. An Introduction Using SPSS, Stata and Excel, Springer, 2013

ADDITIONAL BIBLIOGRAPHY

- JAMES, G., WITTEN, D., HASTIE, T. and TIBSHIRANI, R. An Introduction to Statistical Learning with Applications in R, Springer Verlag, 2013