

Academic Year: (2019 / 2020)

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Department assigned to the subject: Social Sciences Department

Coordinating teacher: TORRE FERNANDEZ, MARGARITA

Type: Compulsory ECTS Credits : 6.0

Year : 2 Semester : 2

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Basic knowledge of statistics

OBJECTIVES

- At the end of the course, students must be proficient in the following tasks:
- 1) operationalization of research hypotheses
 - 2) handling and preparation of data
 - 3) use of the main quantitative techniques in social research:
 - a. Selecting the most appropriate technique for each type of research question and data
 - b. Data Analysis.
 - c. Interpretation of the analyses
 - 4) a working knowledge of Stata and basic programming skills

DESCRIPTION OF CONTENTS: PROGRAMME

Quantitative research techniques are a key element in the training of future professionals. This course delves into the learning of quantitative social research techniques from an applied perspective. All topics will be approached in a theoretical/practical way, using the statistical package Stata.

The course is structured as follows:

1. Introduction to quantitative social research
2. Descriptive Analysis
3. Bivariate analysis
4. Multivariate Analysis:
 - a. Linear Regression
 - b. Logistic Regression
5. Visualization and reporting

LEARNING ACTIVITIES AND METHODOLOGY

Master Classes (3 ECTS credits):

Lecture on the theoretical content of the subject. Reduce Classes (3 ECTS credits):

Practical classes in the computer room using Stata/R.

ASSESSMENT SYSTEM

% end-of-term-examination/test:	60
% of continuous assessment (assignments, laboratory, practicals...):	40

- Midterm exam, participation in debates and other activities. Percent of continuous assessment (assignments, labs, etc.)

- Final exam: includes both theory and practice content.

BASIC BIBLIOGRAPHY

- Cameron, Colin A. & Pravin K. Trivedi Microeconometrics using Stata, Stata Press, 2010

- Long, Scott J. & Jeremy Freese Regression Models for Categorical Dependent Variables Using Stata, Stata Press, 2014