



TECHNICAL SHEET OF THE SUBJECT

Data of the subject	
Subject name	Quantitative Methods Applied to Business
Subject code	E000011605
Credits	2,0 ECTS
Type	Optional
Department	Departamento de Métodos Cuantitativos
Coordinator	Mercedes Barrachina Fernández

Teacher Information	
Teacher	
Name	María de las Mercedes Barrachina Fernández
Department	Departamento de Métodos Cuantitativos
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SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject
Contribution to the professional profile of the degree
<p>The course "Quantitative Methods applied to the company" intends to provide the MBA student with a reinforcement in statistical and probability concepts to be able to successfully face the rest of the courses of the program.</p> <p>Concepts associated with univariate analysis, bivariate analysis, index numbers and basic concepts of probability will be reviewed.</p>

Competencies - Objectives
Competences
<p>The main competences that will be acquired in this complement will be:</p> <p>CFCE5 - Knows, differentiates and uses statistical concepts for the analysis of information: Identification of variables, coding and systematic presentation of data</p>
Learning outcomes
<p>RA1: Deduce relevant statistical information from a set of data</p> <p>RA2: Correctly analyzes and interprets the relationships between different variables</p>

THEMATIC BLOCKS AND CONTENTS

Contents - Thematic Blocks
Block 1
Theme 1: Introduction
Block 2
Theme 2: Univariate Analysis - Qualitative variables
Theme 3: Univariate Analysis - Quantitative Variables
Theme 4: Univariate Analysis - Quantitative Variables- Graphics
Theme 5: Univariate Analysis - Concentration measures
Block 3
Theme 6: Bivariate Analysis - Measures
Theme 7: Bivariate Analysis - Graphics
Block 4
Theme 8: Index numbers
Theme 9: Probability Basics (I)
Theme 10: Probability Basics (II)

TEACHING METHODOLOGY

General methodological aspects of the subject
In-class Methodology: Activities
<p>Master class sessions in which the concepts associated with each topic will be presented through a theoretical presentation and practical exercises.</p> <p>Presentation of group/individual student work</p>
Non-Presential Methodology: Activities
<p>Preparation of group/individual work where the fundamental concepts seen in the different sessions are incorporated</p>

EVALUATION AND CRITERIA

<p>The evaluation activities will be the following:</p> <ol style="list-style-type: none"> 1.- Test at the end of each session (20% of the final grade). 2.- Work and presentation (individual or group) to apply the concepts seen in class through the application to a real case (80% of the final grade).



COMILLAS

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Syllabus
2022 - 2023

Ratings

To pass this course, the student must attend at least 80% of the sessions and pass the work with a minimum grade of 5.

Those students who do not pass the complement must redo the work according to the requirements that are required, according to the concepts explained in the sessions.

BIBLIOGRAPHY AND RESOURCES

Basic Bibliography

Moodle materials and presentations