ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

COURSE OUTLINE

Ημερομηνία: 21 Οκτ 2022

A. INFORMATION FOR THE COURSE

A1. School	School of Science and Technology of Information
A2. Department	Department of Statistics
A3. Master Programme	
A4. Course Code	6108
A5. Title of the Course	CATEGORICAL DATA ANALYSIS

Lecturers

Name	Rank	Specialization
CHASIOTIS VASILEIOS	University Scholar	

B. TYPE OF COURSE

B1. Year of Study	4
B2. Semester	8th
B3. Level of Course (if applicable)	1st Cycle
B4. Type of course	Elective
B5. Field	Scientific Field
B6. ECTS credits allocated (ECTS)	8.00
B7. Is the Course in the Syllabus?	Yes
B8. If yes, which is the reference Page?	29-68
B9. Is there a site for the course?	Yes https://www.dept.aueb.gr/el/stat-courses

C. INSTRUCTION

C1. Lectures Include:	Classroom lectures: Yes Distance learning lectures: No Seminars: No Laboratory exercises: Yes Field training exercise: No Literary analysis: Yes Tutorial: No Interactive teaching: No Educational visits: No Project: No Essays/reports: Yes Independent study: Yes Lectures given by scientists: No Internship: No
C2. Scheduled Hours for Lectures per week	4.00
C3. Scheduled Hours for Tutorials per week	
C4. Scheduled Hours for Workshops per week	
C5. Scheduled Hours for Case Studies per week	
C6. Scheduled Hours for Other Activities per week	
C7. Scheduled Hours for Lectures per semester	52
C8. Scheduled Hours for Tutorials per semester	
C9. Scheduled Hours for Workshops per semester	6
C10. Scheduled Hours for Case Studies per semester	
C11. Scheduled Hours for Other Activities per semester	
C12. Mode of Delivery	Face to Face
C13. Student's Evaluation	Written examination at the end of the semester: Yes Oral examination: No Midterm exam: No Homework: No Project: No Public Presentation: No Laboratory exercises: No Practical exercises: No Exempt work: No

C14. Language of Instruction	Greek

D. PREREQUISITE COURSES

E. COURSE CONTENTS (Syllabus)

The course intends to present all principles of categorical data analysis. The main dependence concepts between categorical variables are presented along with ways to test goodness-of-fit of models to data. The course also presents models for logistic regression and loglinear models.

F. LEARNING OUTCOMES

At the end of the course it is expected that students should know how to quantify different forms of associations between two or more categorical variables, to test different forms of dependence between categorical variables, to fit logistic regression models and to interpret the results.

G. LITERATURE

G1. Use of Multiple Literature	Yes
G2. Recommended or required reading	Yes