CATEGORICAL DATA ANALYSIS											
1	Course Title:	CATEGO	CATEGORICAL DATA ANALYSIS								
2	Course Code:	EKO511	7								
3	Type of Course:	Optional									
4	Level of Course:	Second	Cycle								
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	No									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	face								
14	Course Coordinator:	Prof. Dr.	Nuran Bayram								
15	Course Lecturers:	Prof. Dr.	Nuran Bayram Arlı								
16	Contact information of the Course Coordinator:	E-posta Telefon: Adres: U Ekonom	nuranb@uludag.edu.tr 0 224 29 41 126 Iudağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, ətri Bölümü,16059, Görükle/Bursa.								
17	Website:										
18	Objective of the Course:	It aims to examine various methods in categorical data analysis and to examine, interpret and report the research process of categorical data through case studies.									
19	Contribution of the Course to Professional Development:	It has a contribution towards forming a basis for the development of students' professional skills related to categorical data analysis.									
20	Learning Outcomes:										
		1	Understanding categorical data properties								
		2	To be able to collect data about researches containing categorical data								
		3	Ability to identify appropriate techniques to be applied to different types of data								
		4	Ability to offer analytical solutions to identified problems								
		5	Ability to analyze categorical data with appropriate methods								
		6	Ability to create a categorical research proposal for a problem situation								
		7	Being able to interpret the results of the analysis of a research containing categorical data.								
		8	Ability to conduct research on the subject								
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical		Practice								
1	Basic concepts of categorical data a	inalysis									
2	Distributions in categorical data										

3	Generalized linear models																			
4	ANO	COF	2																	
5	HOM	ALS	5																	
6	HOMALS																			
7	CATF	REG	ì																	
8	CATE	REG	i																	
9	nonlir	near	cano	nical o	correla	ation a	nalysi	S												
10	nonlir	near	cano	nical o	correla	ation a	nalysi	S												
11	Categorical principal component analysis																			
12	Categ	gorio	cal pri	ncipal	comp	onent	analys	sis												
13	Mode interp	l se reta	lectio ation	n, ana	lysis s	summa	iry and	b												
14	Example applications with R																			
22	Textbooks, References and/or Other										Agresti, A. (2013). Categorical Data Analysis, New Jersey: Wiley Interscience Publication Bilder, J.R. & Loughin, T.M. (2015). Analysis of Categorical Data with R. London: CRC Press. Everitt BS. (1977). The Analysis of ContingencyTables, Institute of Psychiatry, London.									
23	Asses	sme	ent																	
Activit	ctivites								1	Numb	er		Dura	ition (Total Work Load (hour)					
Sheore										6			2.00			28.00				
Practica	acticals/Labs								()			0.00	0.00			0.00			
Selfet	and preperation 1								10	b 1 00			6.00	6.00			84.00			
Homew	meworks									I			7.00	7.00						
Beniens	Difficultion of Term (Year) Learning Activities to									90			0.00	0.00			0.00			
Field S	Id Studies)			0.00		0.00					
Clicitterito	hterhouteovarionisFinal Exam to Success Grade									0.00			0.00			0.00				
Others	ners)			0.00		0.00					
Heast Total W	nal Exams easurement and Evaluation Techniques Used in the									asure	ment a	nd eval	uation a	ation are made with			n multiple			
To 24 w															4.00					
ECTS (TS Credit of the Course									4.00										
25												OME				ME				
25								(QUA	LIFIC	ATIO	NS	0101	NOC						
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	1		4	2	1	1	2	4	4	2	2	4	4	0	0	0	0			
ÖK2	1		4	4	2	2	4	4	3	3	1	1	2	0	0	0	0			
ÖK3	2		4	4	4	4	2	2	4	4	3	3	3	0	0	0	0			
ÖK4	3		2	2	2	2	4	4	2	2	4	4	4	0	0	0	0			

ÖK5	2	4	4	2	2	4	4	2	2	4	4	2	0	0	0	0
ÖK6	2	4	3	2	4	4	2	2	2	4	4	4	0	0	0	0
ÖK7	2	2	2	2	4	4	4	2	2	4	4	4	0	0	0	0
ÖK8	5	4	3	4	5	4	3	3	3	3	3	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low		3	3 Medium		4 High			5 Very High					