

# CATEGORICAL DATA ANALYSIS

1	Course Title:	CATEGORICAL DATA ANALYSIS	
2	Course Code:	TBY6012	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	7.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. İLKER ERCAN	
15	Course Lecturers:	Prof. Dr. İlker ERCAN Doç.Dr. Deniz SİĞİRLİ Doç.Dr. Gökhan OCAKOĞLU Doç. Dr. Güven ÖZKAYA	
16	Contact information of the Course Coordinator:	Prof. Dr. İlker ERCAN Doç.Dr. Deniz SİĞİRLİ Doç.Dr. Gökhan OCAKOĞLU Doç. Dr. Güven ÖZKAYA	
17	Website:		
18	Objective of the Course:	To provide the learning of basic and advanced concepts of the categorical data analysis and performing related analysis.	
19	Contribution of the Course to Professional Development:	Contribution to academic development	
20	Learning Outcomes:		
		1	Learning the basic and advanced concepts of the categorical data analysis and performing related analysis.
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Probability		
2	Discrete Probability Distributions		
3	Epidemiologic Risk Criteria		

4	Criteria of Diagnostic Tests	
5	Criteria of Diagnostic Tests	
6	Statistical Tests by Contingency Tables	
7	Statistical Tests by Contingency Tables	
8	Discriminant Analysis	
9	Binomial Regression	
10	Poisson Regression	
11	Logistic Regression	
12	Probit Regression	
13	Loglinear Analysis	
14	Corresponding Analysis	

22	Textbooks, References and/or Other Materials:	1)Miller I& Miller M, John E. Freund's Mathematical Statistics, 6th edition, 2001. 2)Saraçbaşı O. Tanı Testlerinde Kullanılan Ölçütler ve Epidemiyolojik Risk Ölçütleri (Ders Notları), Hacettepe Üniversitesi, Tıp Fakültesi, Biyoistatistik Anabilim Dalı, Ankara, 1988. 3)Şenocak M. Özel Biyoistatistik, Çağlayan Kitapevi, I. Baskı, İstanbul, 1992. 4)Everitt BS. The Analysis of Contingency Tables, Institute of Psychiatry, London, 1977.
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23	Assesment	
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Activites			Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0	0	3.00	42.00
Practicals/Labs			0	0.00	0.00
Self Study and preperation	1	1	0	7.00	98.00
Homeworks			0	0.00	0.00
Contribution of Term (Year) Learning Activities to Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Contribution of Final Exam to Success Grade Midterm exams			1	0.00	0.00
Others			0	0.00	0.00
Measurement and Evaluation Techniques Used in the Field Exams				70.00	70.00
Total Work Load					210.00
Total work load/ 30 hr					7.00
<b>24 ECTS / WORK LOAD TABLE</b>					
ECTS Credit of the Course					7.00

25	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	4	0	0	0	0	4	0	0	0	3	0	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contrib ution Level:</b>	<b>1 very low</b>		<b>2 low</b>		<b>3 Medium</b>		<b>4 High</b>		<b>5 Very High</b>							