Course Syllabus

Code - Course Title	**İST534 - Statistical Analysis and Evaluation**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. NEVZAT BİLGE İSPİR

Mode of Delivery	Face to Face
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional program component
Recommended Resources	Wimmer, R. D. and dominick J. R. Mass Media Research, Watsworth, 2011Morgan, G. A, and others, SPSS for Introductory Statistics ,Lawrence, 2004Kalaycı Şeref, SPSS uygulamalı Çok Değişkenli İstatistik Teknikleri, Asil yayıncılı, 2010
Work Placement	None
Aims of the Course	The aim of this course is to provide students with fundamental knowledge and skills in using the SPSS software; to enable them to learn data entry, data set organization, basic statistical analyses, and the interpretation of statistical results within the context of academic research.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	**LO-1**	Variable	Lecture
Week - 2	**LO-1**	Measurement and Scales	Lecture, Practice/Practical Work/Workshop
Week - 3	**LO-1**	Preparing SPSS Data File	Lecture, Practice/Practical Work/Workshop
Week - 4	**LO-1**	Organizing Data	Lecture, Question & Answer, Practice/Practical Work/Workshop
Week - 5	**LO-2**	Descriptive Statistics	Lecture, Question & Answer, Practice/Practical Work/Workshop
Week - 6	**LO-2**	Checking Normality	Lecture, Question & Answer, Practice/Practical Work/Workshop

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 7	LO-2	Parametric Tests: Independent Samples T-Test	Lecture, Question & Answer, Practice/Practical Work/Workshop
Week - 8	LO-2	One Sample T-Test	Lecture, Demonstration and Practice, Practice/Practical Work/Workshop
Week - 9	LO-2	Analysis of Variance	Lecture, Demonstration and Practice, Practice/Practical Work/Workshop
Week - 10	LO-3	Chi-Square Test	Lecture, Demonstration and Practice, Practice/Practical Work/Workshop
Week - 11	LO-3	Mann-Whitney U Test	Lecture, Demonstration and Practice, Practice/Practical Work/Workshop
Week - 12	LO-3	Kruskal-Wallis Test	Lecture, Demonstration and Practice, Practice/Practical Work/Workshop
Week - 13	LO-3	Analysis of Reliability	Lecture, Question & Answer, Demonstration and Practice, Practice/Practical Work/Workshop

Learning Outcomes

#	Learning Outcome
1	will be able prepare SPSS data file
2	conduct parametric tests
3	conduct non-parametric tests

Sustainable Development Goals

✓ Quality Education ✓ Responsible Production and Consumption

Course Theme

✓ Economics, Finance and Management ✓ Data Science ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	3.00	14	42
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	1.00	14	14
Ödevler	2.00	14	28
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	10.00	1	10
Final Sınavı Hazırlığı (sınav süresi dahil)	10.00	1	10
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	3.00	14	42
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**6.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test