Course Syllabus

Code - Course Title	**İST245 - Statistics**
Course Type	III. SEMESTER
Laboratory + Practice	2+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. SERKAN OLGAÇ

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	*Paul Newbold (2000) İşletme ve İktisat için istatistik. İstanbul: Literatür yayıncılık *Mahmut ATLAS (2013) İstatistik 1 (Çözülmüş Örnekler). Bursa: Star Ajans Ltd.Şti.Freund&Simon; (1997) Modern Elementary Statistics
Work Placement	There is no work placement in this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction, What is statistics. History and importance and uses of statistics	
Week - 2		The basic concepts of statistics: Functions.What is unit? And its types.	
Week - 3		The basic concepts of statistics: what is qualification? And its types, the concept of population and its types, sample and sampling	
Week - 4		The basic concepts of statistics: data collection, classification of data and measurement of variables	
Week - 5		Series (distributions): Serial types, single-variable series, a multivariate series	
Week - 6		Graphical representation of the series and graphic types	
Week - 7		Measures of central tendency (averages): Sensitive averages; mean and geometric averages, exercises	
Week - 8		Measures of central tendency (averages): Harmonic and square averages, applications	
Week - 9		Measures of central tendency (averages): Insensitive averages, Median and mode; applications.	
Week - 10		Variability measures: Variation range,standart deviation	
Week - 11		Variability measures: Variance, coefficient of variation, applications	
Week - 12		Variability measures: Concentration coeffecient and curve of concentration, Symmetry and kurtosis	
Week - 13		Regression and Correlation: What is Regression, definition of Dependent independent variable, least squares estimation	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Regression and Correlation: correlation and coefficient of determination and applications.	

Learning Outcomes

#	Learning Outcome
1	define the principal concepts about statistics.
2	collect data relating to variable/variables which will be examined and calculate descriptive statistics from these data.
3	identify distribution form relating to the variable/variables.
4	apply hypothesis testing via some of the statistical distributions.
5	Describes Normal Distribution

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

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

Assessment Method and Passing Requirements

No content has been provided.