

**2019-2020 Spring Term
PEM 207E STATISTICS MODULE OUTLINE**

Module Coordinator: Assistant Prof. Dr. Melih Bozkurt

Course Description

Data collection, probability, probability distributions, correlation, regression, hypothesis testing, data visualization.

Course Objectives

This lecture series and following studio work aims;

1. To develop skills on data collection, preparation and organization
2. To develop skills about descriptive statistics
3. To develop skills about model based statistics
4. To learn details about correlation
5. To learn details regression models.

Course Information

Course Credits and Type: 1+2 lectures and tutorials both compulsory

Attendance Requirement: %80

Class:

Module Coordinator's room: Asistant Prof. Dr. Melih Bozkurt, 120D.

Assessment Criteria:

Activities	Quantity	Effects on Grading %
Midterm Exam	1	%40
Tutorials	1	%20
Final Exam	1	%40

*Students who fail to meet the specified mid-term and tutorial requirements are considered to fail to fulfill the final exam requirements. In this case final grade is assigned as "VF".

2019-2020 Spring Term
PEM 206E URBAN DESIGN & TUTORIALS
Assistant Prof. Dr. Melih Bozkurt

Week 1 : 11st Februa	Preliminary Session about Lecture Series
Week 2 : 18th Februa	What is statistics?; how statistics is used?
Week 3 : 25th Februa	Phases of Statistics; Time Series, Spatial stats, cumulative series, combined series,
Week 4 : 03rd March	Frequency series, Histograms
Week 5 : 10th March	<i>Mean; Arithmetical means of simple, classified and grouped series</i>
Week 6 : 17th March	<i>Weighted arithmetical means, Geometrical means, Harmonic means, Squared means</i>
Week 7 : 24th March	Medians of simple and classified series
Week 8 : 31st March	MID-TERM BREAK
Week 9 : 07th April	MID-TERM EXAM
Week 10 : 14th April	Classified mods
Week 11 : 21ST April	Standard deviation; Mean deviation; Variance
Week 12 : 28th April	Correlation
Week 13 : 05th May	Regression
Week 14 : 12th May	Data Visualisation
Week 15 : 19th May	<i>Public Holiday</i>