King Abdulaziz University - Rabigh Campus

College of Science and Arts
Department of Mathematics

Lecture Timetable

Second semester of the Academic Year
1432-33/2011-12

Statistics 110 Tentative Schedule

Reference: Elementary Statistics; A Step by Step Approach, **Seventh** Edition, by Allan G. Bluman.

weeks	lecture	Reading Materials	Class Materials		
		Chapter-Section	Title		Examples
1	1		Introduction		
		1-1	Descriptive and Inferential Statistics		
	2	1-2	Variables and Types of Data		
		1-3	Data Collection and Sampling Techniques		
	3	1-4	Observational and Experimental Studies		
		1-5	Uses and Misuses of Statistics		
		1-6	Computers and Calculators		
2	1		Introduction		
		2-1	Organizing Data		2-1,2-2,2-3
	2	2-2	Histograms, Frequency Polygons, and Ogives		2-7
	3	2-3	Other Types of Graphs		2-9,2-10,2-12,2-13

3	1		Introduction	
		3-1	Measures of Central Tendency for Ungrouped Data	3-1,3-2,3-4,3-6, 3-8,3-9,3-10,3-11 3-15,3-17
	2	3-2	Measures of Variation for Ungrouped Data	3-18,3-19,3-20,3-21,3 -23,3-25,3-26
	3	3-3	Measures of Position(Standard Scores and Quartiles)	3-29, 3-30, 3-36, 3-37
		3-4	Exploratory Data Analysis	3-39
4	1		Introduction	
		10-1	Scatter Plots and Correlation	10-1, 10-2, 10-3, 10-4,10-5
	2	13-6	The Spearman Rank Correlation Coefficient (no ties)	13-7
	3	10-2	Regression	10-9, 10-10, 10-11
5	1		Introduction	
		4-1	Sample Spaces and Probability	4-3, 4-4, 4-6, 4-8,4-9,4-10,4-11,4-13
	2	4-2	The Addition Rules for Probability	4-15,4-17,4-19,4-21
	3	- 4-3	The Multiplication Rules and Conditional Probability	4-25. 4-27. 4-28
6	1	4-4	Counting Rules	4-39, 4-42, 4-43, 4 44 4 47 4 49
	2			
	3	4-5	Probability and Counting Rules	4-51,4-52,4-53, 4-54
7	1		Introduction	
		5-1	Probability Distributions	5-2, 5-3, 5-4
	2	5-2	Mean ,Variance , Standard Deviation , and Expectation	5-6, 5-7, 5-8, 5-9, 5-10,5-12,5-13
	3	5-3	The Binomial Distribution	5-15,5-16,5-17
8	1	5-3	The Binomial Distribution	
	2		Introduction	
		6-1	Normal Distribution	6-1 to 6-5
	3	6-1	Normal Distribution	
9	1	6-2	Applications of the Normal	6-6 to 6-10
	2			
	3	6-3	The Central Limit Theorem (Distribution of Sample Means)	6-13,6-14,6-15

Final Exam