

ERSH 6300
Spring 2008

Text: Moore, D.S. (2007). The Basic Practice of Statistics. Freeman.

Scheduled Class Meetings: T, R, 9:30 - 10:45 a.m.; Room 430

General Student Objectives:

1. To be able to describe a set of scores both graphically and numerically.
2. To know that the relationship between two variables may be assessed in a number of ways.
3. To be able to carry out calculations involved with some numerical descriptive indices.
4. To appreciate the bases for statistical inference -- uncertainty and variability.
5. To be able to critically consume some quantitative research results.
6. To develop an interest in, and positive attitude toward, statistical study in general.
7. To seriously consider use of judgment, common sense, expert advice.

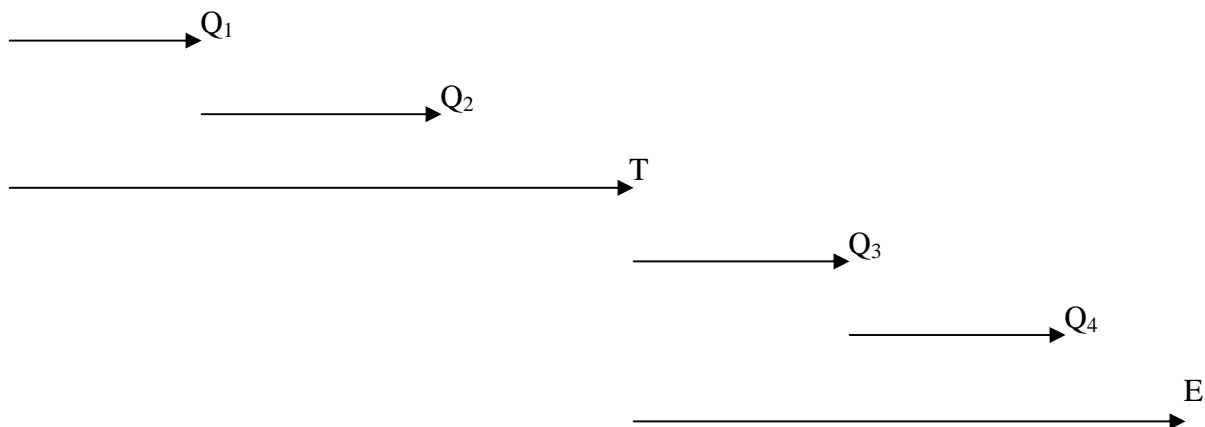
Specific Student Objectives (to be distributed)

Tentative Schedule:

<u>Date(s)</u>	<u>Topic(s)</u>	<u>Text Chapter(s)</u>
Jan 8	Introduction	
Jan 10, 15	Graphs; Descriptives	1, 2
Jan 17	Normal Distributions	3
Jan 22	(Quiz 1 -- 25 min.); Correl	4
Jan 24	Correlation	4
Jan 29	SPSS Sessions	
Jan 31	Regression	5
Feb 5	(Quiz 2); Design	8
Feb 7	Design	8, 9
Feb 12	Probability	10
Feb 14, 19	Sampling Distributions	11
Feb 21	(Test -- full period)	
Feb 26, 28	Inference Introduction	14, 15
Mar 4, 6	Testing	16
Mar 18	(Quiz 3); One Mean	18
Mar 20	One Mean	18
Mar 25, 27	Two Means	19
Apr 1	(Quiz 4); One Prop.	20
Apr 3	SPSS Sessions	
Apr 8, 10	Two Proportions	21
Apr 15, 17	Correlation	(Handouts)
Apr 22, 24	Regression	24
May 6	(Exam)	

Note: This is a general plan; deviations will be announced.

Assessment:



$$\text{Composite } Z = 0.5Z_Q + 1.0Z_T + 1.5Z_E$$

Student Activities:

1. Textbook
2. Study Guide
3. Textbook Exercises
4. Calculator
5. Study Group (?)
6. Computer Assignment
7. CML Material
8. REMS Tutor (?)
9. Ask Questions (!)

Other:

1. If absent, check with classmate(s)
2. Students with disabilities will be accommodated as much as possible
3. Instructor/course evaluation
4. No incompletes
5. Take quizzes, test, and exam on time
6. Be aggressive in your learning!
7. Turn cell phone “off” during class meetings
8. Pencil (!)
9. Use of “data”, “percent”, et al.
10. Review and Supplementary exercises for Parts I-III
11. Use judgment (!)