

### Syllabus

Text: Freund, Statistics: A First Course, 7th Edition

Week	Dates	Assignments
1	Aug 26 - 30	Chapters 1,2 and 3
2	Sep 3 - 6	Chapter 3
3	Sep 9 - 13	Chapter 4
4	Sep 16 - 20	Chapter 5
5	Sep 23 - 27	Chapter 6(excluding 6.3,6.4,and 6.5), Exam
6	Sep 30 - Oct 4	Chapters 7 and 8
7	Oct 7 - 11	Chapter 8
8	Oct 16 - 18	Fall Break, Chapter 9(exclude 9.4; 9.5 goes with Chap 11)
9	Oct 21-25	Chapter 9
10	Oct 28 - Nov 1	Chapter 10
11	Nov 4 - 8	Chapter 10, Exam
12	Nov 11 - 15	Chapter 11
13	Nov 18 - 22	Chapters 11, 12
14	Nov 25 - 26	Chapters 12, Thanksgiving Break
15	Dec 2 - 6	Chapter 13
16	Dec 9 - 13	Final Exams

Homework problems: the next page lists problems that will be assigned as we progress through the material. It is essential that you hand these in when assigned, if you hope to keep up with the concepts in the course. Those who ignore this do poorly in the course. Late work is accepted if sickness or a comparable reason is the cause and if a short note to that effect is written on the work. Without such an excuse, work that is more than one day late will not be accepted. Work that is one day late will be counted as late.

Grade Basis:	Hour Exams (2)	25% each
	Final Exam	25%
	Day to Day Work	
	(Homework and class participation and attendance)	15%
	Short Reports (10 described below)	10%

Daily assignments can be found via the McDaniel www page. Just follow links to the economics department and then me. You'll find links there to assignments.

- Chap 2: 6,20,22,30,31,40,44  
Chap 3: 2,6,12,20,24(round values to whole numbers) ,30,36,44,46,52,58,60,66,70, 80,82,90,92, 96,100,108  
Review: 1,2,9,10,17,19,24,30,32 (You should be able to find the sections of the book that apply to these exercises and work them. If not, you don't understand the material very well). Hand in your answers and we'll see!  
Chap 4: 2,10,14,22,26,30,38,42,56,64,72,76,90  
Chap 5: 4,14,24,32a&b,38,42,50,54,58,66,86,88,90  
Review 41,42,**46,48**,49,**50,52**,54,**60,62,74**  
Chap 6: 2,8,12,14,62,64,68,72,78,80  
Chap 7: 2,6,10,12,16,24,30,36,40  
Chap 8: 4,6,10,18,20,22,32,36,40  
Review 82,88,90,94,100,108,118  
Chap 9: 4,8,14,20,26,28  
Chap 10: 2,6,10,12,14,18,22,26,36,40,42,50,53,56  
Chap 9: 44,48,54  
Chap 11: 2,6,8,12,16,20,22,28,32,40  
Review 120,122,126,128,130,134,136,142,148,150,154  
Chap 12: 2,6,7,25,26,32,34,36,38  
Chap 13: 2,6,8,18,22,26,30,47,48  
Review **162**,164,**168,176**,180,182

As we progress through the semester you need to write 10 short reports describing sources where you have found statistical techniques in use. Each technique should be identified by section number in the book. e.g., 3.5 - Mode or 9.6 Significance Tests. Each report should come from a different text section and no more than 3 reports should come from any one chapter. Each report should do the following:

- 1) Briefly describe the nature of the technique involved
- 2) Identify the use of the technique in your source and interpret its meaning there
- 3) Compare your example to a homework problem that we have done.

Each report should contain a photocopy of the page in your source where your technique appears. Write a short citation on the photocopy. All reports should be kept in a pocket folder with finished reports on one side and work in progress on the other. The complete set is due by the last day of class, but I encourage you to start your reports early in the semester and hand them in then. If you do so, I can return them to you with suggestions on how to improve them.

Your sources will vary depending on the type of technique that you try to match. Descriptive techniques can be found almost anywhere, newspapers, magazines, textbooks or more scholarly sources. More sophisticated techniques may only be found in scholarly sources, professional journals and books. Do not be reluctant to look in very old journals; more modern publications sometimes use sophisticated techniques that you may not recognize. I encourage you to find examples within your own major, although the following guide may make things easier:

Field	Most Common Techniques
Biology	Analysis of Variance
Business/Economics	Regression
Psychology	Analysis of Variance
Sociology	Chi Square

Also, small sample studies are not usually published, especially in journals. You might find them in books ( and they are profuse in the less formal world.)

It is your responsibility to find your own sources for these reports; I do not expect to see students using the same examples. I may ask you to find a different example if others have used it already (so it is to your advantage to get your work in early). Altogether these reports count as 10% of your grade, just as a paper might. Please take them seriously and make them legible.