UCDAVIS
GRADUATE SCHOOL OF MANAGEMENT

Management 203A
Data Analysis for Managers
Graduate School of Management
UC Davis - Sacramento

Course Description

This course covers statistical analysis of data, using techniques ranging from the basic to the sophisticated (linear regression, quantified hypothesis testing, multivariate analyses). The aim is for you to leave with a solid, though nonspecialized, base in statistical analysis.

Textbook

Keller, G. (2017). *Statistics for management and economics* (11th ed.). Cengage Learning.

Suggested reading is given in the table below. For example, for Week 2, the suggested reading is Chapter 4, Sections 1 and 2, and Chapter 7, Sections 1, 4, and 5.

Grading

Grades will be based on assigned homework, a midterm, and a final exam. Points for each are shown on the next page.

Assignments	189
Midterm	100
Final	200
Total Points	489

Excel

We will make extensive collaborative use of Excel in class (but *not* xlstat; however, you can use xlstat for some parts of your homework if you want to).

Homework

You may collaborate on the homework, but you should not copy the work of someone else. Each problem is worth 3 points: 1 for the correct answer (which is usually in the back of the book) and 2 points for indicating how you got it (either show your work or give the Excel formulas or output sheets). All homework should be converted to pdf for submission to Canvas. The homework problems are given in the table below. For example, the first problem is listed as 6.8, which means Chapter 6 in the textbook, problem number 8. The first problem set is due in Week 2, so it is due 48 hours before the week 2 class.

Code of Conduct

Here is a link to the UC Davis Code of Academic Conduct: http://sja.ucdavis.edu/files/cac.pdf

Disability Accommodations

Any student who feels he or she may need an accommodation based on the impact of a disability should contact me privately to discuss his or her specific needs. In addition, the student should contact the Student Disability Center (SDC) at (530) 752-3184, sdc@ucdavis.edu, as soon as possible to better ensure that such accommodations can be implemented in a timely fashion. All accommodations must have prior approval from the SDC on the basis of medical or other appropriate documentation.

Class Schedule and Due Dates

The homework problems are given in the table below. For example, the first problem given is 6.8, which means Chapter 6 in the textbook, problem number 8.

Class Date	Read chapter.section	Problems due 48 hours before class	Topic sketch	Points
Oct 4	1, 6.1-6.3		Probability	
Oct 4	4.1-2, 7.1, 7.4-5		Random variables; binomial, Poisson	
Oct 18	8.1-2	6.8, 6.20, 6.22, 6.50, 6.64, 6.80, 6.96, 6.104, 4.2, 4.28, 7.20, 7.106, 7.108, 7.114, 7.132, 7.136, 7.138	Normal	51
Oct 18	9.1, 9.2c.		Sampling distributions	
Nov 1	Skim Chapters 2 and 3	8.6, 8.28, 8.30, 8.38, 8.40, 8.42, 8.62, 8.66, 8.70, 9.10, 9.18, 9.20,9.32,9.40, 9.42,9.50, 9.52	Descriptive/graphical **Midterm**	51 +100
Nov 1	10.1-3, 11.1-2		Confidence intervals and hypothesis tests	
Nov 15	12.1, 8.4, 9.3, 13.1	10.16, 10.18, 10.26, 10.32, 11.8, 11.10, 11.24, 11.42, 12.4	t-tests	27
Nov 15	4.4, 12.2		Variance, covariance	
Dec 6	4.4, 16.1-2, 16.4-5	12.14, 12.16, 13.2, 13.4, 13.8, 13.14, 4.84, 4.88, 4.90, 12.70, 12.78, 12.80	Regression	36
Dec 6	17.1-2	16.16, 16.18, 16.28, 16.34 16.92, 16.94, 17.8, 17.12	More regression and review	24
Dec 13	**Final**			200
			Total points	489

The final exam is mostly about the material not covered on the midterm but is comprehensive.