STAT 110: Introduction to Descriptive Statistics
Section 013, Fall 2007
MWF 9:05-9:55 in CSSC011

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Bulletin Description: Introduction to Descriptive Statistics. (3) Computational and graphical techniques for organizing and presenting statistical data. Sample mean and sample variance, cross tabulation of categorical data, correlation and simple linear regression, quality control charts, statistical software.

Purpose of the Course: To provide an integrated introduction to the basic statistical ideas that a person would encounter in everyday life.

Expectations: All students are expected to
- Attend class regularly and participate in in-class activities.
- Read the portions of the text as assigned.
- Make serious attempts at all of the assigned homework problems and in preparation for the hour exams.
- Use the resource of their fellow students, the tutoring room, and their instructor to seek answers to questions that arise in class, in the readings, and on the homework

Textbook: *Statistics: Concepts and Controversies* (6th Edition) by David S. Moore & William I. Notz, W. H. Freeman and Company, 2006. Note, **I-Clickers should be purchased with text**.

Calculator and Computer: Each student will need a basic calculator that takes a square root and raises a number to a power. Each student will need access to the internet to complete homework assignments and print off notes and readings. Programmable calculators (e.g. TI-83) are not allowed.

Attendance: All students are expected to attend all classes. It is assumed that any information given out during class has been delivered to all students. It is expected that cell-phones and similar electronic devices will be turned off.

Exams (4 exams, 20% each): The first hour exam will be given on Wednesday, September 19th. It will cover chapters 1-8, including surveys, experiments, and issues in measuring. The second hour exam will be given on Wednesday, October 17th. It will cover chapters 10-13, including graphical displays, descriptive statistics, and the normal distribution. The third hour exam will be given on Monday, November 12th. It will cover the material in chapters 17-22, including probability models, simulation, expected values, confidence intervals and hypothesis tests. The final exam for this course will be administered on Saturday, December 15th at 9:00am. It will cover the material in chapters 14-15 and 24, including regression and the chi-square test, as well as major concepts from the previous three exams. All work on the exams must be independent. Make-up exams will be considered only in extreme circumstances. Contact me as soon as possible if you think your situation merits a make-up.

Homework & Class Questions (20%): Homework covering the concepts taught in the class will be posted on DoStat regularly throughout the semester. Students will submit their answers online and receive feedback on responses. A date and time for closing each assignment will be announced in class and appear on each assignment. No late assignments will be accepted. The DoStat system will be demonstrated in class. You may discuss homework with other students, but each student must submit their assignment independently. In addition to my office hours, assistance on coursework is also available in the Mathematics and Statistics Tutoring Room in 105 LeConte.

We will also be using a "clicker system" to record responses during class. Each student will receive a point for responding to the first question and then one point for each correct response. These points will combined with those received for homework to account for 20% of your grade. Clicker points will be recorded on DoStat.

Grading Weights:	**Grading Scale:**	
In-Class Exams 80% (4 @ 20% each)	A 90-100%	C 70-76.9%
Homework & Class 20%	B+ 87-89.9%	D+ 67-69.9%
TOTAL 100%	B 80-86.9%	D 60-66.9%
	C+ 77-79.9%	F Less than 60%

If the score on the final exam is higher than the score of the lowest hour exam, then it will be used to replace the hour exam score.

Honor Code: See the *Carolinian Creed* in the *Carolina Community: Student Handbook & Policy Guide*.

Computer Facilities: You are encouraged to do as much of the computational work as possible using the statistical web application DoStat. If you do not have web access elsewhere, a computer account through the College of Arts and Sciences (CAS) can be set up for you. Two CAS labs are available in LeConte, room 124 and 303A. Check these locations for hours. Let me know if you wish to set up a CAS computer account. The URL for DoStat is www.dostat.com.

How to Sign –Up for DoStat

DoStat Information: DoStat is a course management system available on the internet at www.dostat.com. Homework assignments will be posted in DoStat. Course notes, outside readings and this syllabus can be found under "Notes" in DoStat. Clicker points will appear under "Other Scores". There is also a discussion board which I will check periodically throughout the week. To use DoStat, you will need to register as a student. There is no charge. To register:

1) Go to www.dostat.com, select STUDENTS.
2) Click on "Sign up now" and enter your information.
3) Use your **USC Network username as the login**. This can be found in VIP under Technology and is the same as your Blackboard ID. Note, we will not be using Blackboard in this class. If your USC Network username is not unique within the DoStat system, add a suffix such as xyz or 110.
4) In "Course reference" type the course reference number: **DS2-581**. Include dash.
5) After purchasing a clicker, complete the Registration assignment. In addition to adding to your homework points, successful completion of the Registration Assignment indicates that your DoStat access is operational. If you have trouble getting summary statistics or creating a graph, see me immediately. Technical help for DoStat may be obtained at support@dostat.com. In order for DoStat to operate properly you must accept cookies, **not** block pop-up windows and have a recent Java Plug-In installed.

From here on you will be able to access DoStat by selecting STUDENTS and submitting your userid and password. Note, if you forget your userid or password, **do note re-register in DoStat under a different userid and/or password.** e-mail me and I will send you a reminder. It is important to keep your e-mail address current in DoStat since that is how class e-mails will be issued. If you change your address, please update your DoStat account. The server for DoStat is rebooted on Sunday evenings and may not be available for a period of time, usually 6-7 PM.