BAN568.01 - Techniques of Statistical Analysis
Summer II 2008
TUC119
MoWe: 6:00pm - 9:50pm

Professor: Troy Quast

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Office: TUC315

Office Hours: MoWe 5:00pm - 5:50pm

Learning Objectives

- Understand the concepts of descriptive statistics and statistical inference.

- Learn selected basic statistical tests and know when it is appropriate to use them.

- Complete a statistical analysis that includes downloading the data, applying statistical tools, and reporting the results.

Prerequisites

Students are required to either have a baccalaureate business degree or have completed Business Analysis (BAN232) or Quantitative Tools for Business (BAN530).

The Learning Environment

My job is to provide you with the best learning environment possible. With this in mind, I will enforce the following rules:

- Turn off all cell phones, pagers, and similar devices.

- Unless called upon, you are not to speak during class. With so many students in the classroom, any side conversations inevitably distract those around you.

- Arrive on time. If tardiness becomes a problem those who arrive late will not be allowed in the classroom.

I reserve the right to institute any additional policies as I deem necessary. Failure to abide by these rules may lead to you being removed from the room and further disciplinary action.
Class attendance is required.

Textbook

Required
Keller, Gerald. Statistics for Management and Economics, 8th Edition. South-Western Cengage Learning. 2008. ISBN-10: 0324569491.

Grades

Course grades will be based on exams and a research assignment.

1. Final exam

   (a) Covers all of the material covered in the course and will be closed book.

   (b) **YOU MUST TAKE THE FINAL EXAM.**

2. Mid-term exams

   (a) There will be three mid-term exams.

   (b) Your lowest mid-term exam grade will be dropped.

3. Research paper

4. Extra credit

   (a) **Extra credit assignments will not be given.**

Grades will be determined as follows.

Table 1: Grade Calculation

	Number Graded	Maximum Points Each	Total Possible Points
Final Exam	1	200	200
Mid-Term Exams	2	200	200
Research Paper	1	100	100
Total	n/a	n/a	500

NO EXCEPTIONS WILL BE MADE WITH RESPECT TO THESE POINT RANGES.

Table 2: Point Ranges

Final Grade	Point Range
A	450-500
B	400-449
C	300-399
F	< 300

Make-Up Exams

As the lowest exam grades is dropped, make-ups will not be offered.

Additional Course Resources

Calculators

Every student should have a scientific calculator that is able to calculate exponents and natural logarithms. Cell phones are not allowed to be used during quizzes or exams.

Internet

Blackboard

Blackboard (http://blackboard.shsu.edu/webapps/login) will be used to post this syllabus, suggested textbook exercises, and grades. I will also use it to send emails, so be sure that you are able to access your email account that is associated with Blackboard.

University Guidelines

Conduct

You are expected to be fully acquainted and comply with all published policies, rules, and regulations of SHSU.

Academic Dishonesty

Students are expected to conduct their academic work with integrity and honesty. Acts of dishonesty will not be tolerated and can result in the failure of a course and dismissal from the University. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism, collusion the unauthorized collaboration with another person in preparing work offered for credit, the abuse of resource materials, and misrepresentation of credentials or accomplishments. The University policy on academic honesty and appeal procedures can be found in the manual entitled Student Guidelines, distributed by the Division of Student Services (Reference Section 5.3 of the SHSU Student Guidelines).

Attendance

Attendance will be recorded. Only students who have registered for the class are allowed in the classroom.
Students who are members of the university athletic teams should submit their respective game schedules properly signed by the officials in the athletics department at the beginning of the semester.

Student Absences on Religious Holy Days

Section 51.91(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Section 51.911 (a)(2) defines a religious holy day as a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20 A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused with a reasonable time after the absence. University policy 861001

provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy days(s). The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf.

Disabled Student Policy

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall not be excluded, solely by reason of his/her disability, from participation in any academic program of the University. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the Office of Services for Students with Disabilities located in the Counseling Center. They should than make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired. SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until the student registers with the Counseling Center. There will be no retroactive accommodations. For a complete listing of the University policy, see http://www.shsu.edu/~vaf_www/aps/811006.html.

Miscellaneous

Students who need to have grade sheets signed must either notify me by email the day before class or come to my office hours.

Tentative Course Outline

Table 3: Course Outline

Date	Sections Covered	Topics Covered
2008-07-09	Syllabus	
	Chap 1	What is statistics
	Chap 2	Graphical & tabular descriptive techniques
	Chap 4	Numerical descriptive techniques
	Chap 5	Data collection & sampling
	Chap 6	Probability
	Chap 7	Random variables & discrete probability distributions
	Chap 8	Continuous probability distributions
2008-07-14	Chap 9	Sampling distributions
	Chap 10	Introduction to estimation
2008-07-16	Exam #1	
	Chap 11	Introduction to hypothesis testing
2008-07-21	Chap 12	Inference about a population
2008-07-23	Exam #2	
	Chap 13	Inference about comparing two populations
2008-07-28	Chap 14	Analysis of Variance
2008-07-30	Exam #3	
	Chap 16	Simple linear regression
2008-08-04	Chap 17	Multiple linear regression
	Final exam review	
2008-08-06 (6:00pm - 8:00pm)	Final Exam	