UCIRVINE | THE PAUL MERAGE SCHOOL OF BUSINESS

MGMT 7 BUSINESS STATISTICS

SUMMER II 2016

TUES/THURS, 1:00 - 3:50PM, SB2 122

https://eee.uci.edu/16z/38015

Contact Information

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Office Hours: Tue/Thu, 12:00-1:00pm,
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Classroom Etiquette, Guidelines, & Policies

Academic Honesty and Cheating Policy:
By enrolling in this course, you agree to be bound by the University of California, Irvine's policy on academic honesty (http://honesty.uci.edu/). Cheating refers to the use of unauthorized materials (such as teaching notes from previous quarters), communication with students during the exam, sharing answers or attempting to benefit from the work of another student, and similar behavior that defeats the intent of an exam or assignment. Any form of cheating will result in a grade of 0 for that exam or assignment.

Attendance
Your attendance for each class session is expected, as is your active participation. If you miss a class for personal or business reasons, please inform the instructor in advance if at all possible. Absences without pressing reasons indicate disinterest in the course and will reflect on your grade.

Additional resources
For some classes, a printout of the weekly lecture notes will be provided in class to facilitate notes taking. Unless specified otherwise, you are prohibited from looking/copying available information on the Internet or previous course work from former students on all these exercises and assignments. Doing so will be considered as violations of UCI's academic honesty policy.

Message Board: https://eee.uci.edu/boards/z16/mgmt7/
Message board is the preferred form of communication for any clarification question regarding class concepts, lecture contents, homework assignments, class logistics, etc.
- Please always check whether your question is already answered on the message board before emailing or creating a new post.

- When creating a new thread, assign a short informative title to it (e.g., "HW2, Q1 Clarification" or "ANOVA vs. 2-sample T-test"). Do not use titles that give no information about the contents of your post (e.g. "Question", or "How should I do this?"). This guideline also applies to email subject lines.
- It is highly encouraged, and can be counted toward your participation grade, if you participate in existing threads and answer your classmates' questions.
- DO NOT share the result of your individual work on the message board for feedback, neither do ask or answer any direct question that would reveal the answer to a homework or quiz problem. Any personal or confidential issue should be communicated to me by email or during office hours.

Missed Exam Policy:
Students are required to take the two exams (midterm and final) on the dates/times indicated on this syllabus. No make-up midterm will be given. If you miss the midterm due to illness or business travel (with supporting evidence), we will use your final exam score to replace your midterm score, i.e., your final examination will account for a total of 60% of your course grade. Please take this into consideration when making plans or commitments to attend other events. For final exam, if an important and verifiable emergency arises that prevents a student from attending an exam, the student must notify the instructor by email as soon as possible prior to the exam and provide documented proof of the emergency at which point the instructor will decide whether a make-up exam can be given.

No Extra-Credit Assignments:
Your course grade will be solely determined by your in-class participation, online quizzes, homework assignments, the midterm, and the final exam. In fairness to the other students, requests for extra-credit assignments will not be granted.

Course Drop Deadline:
According to the policy, the deadline for making course changes without an instructor's signature is the end of the first week. The deadline for a refund is the end of the second week of instruction. Those students making any course changes during the second week of instruction must obtain instructor's signature. [Summer Session Policies and Procedures]

Course Objectives

In this course, we will cover the most important statistical techniques and discuss their applications. The course objectives are:
• To apply statistical methodologies to analyze a real-world decision-making problem
• To understand and explain the results of statistical analysis to business managers in layman terms
• To gain proficiency with a statistical software package (EXCEL, MINITAB)

Course Materials

Required Textbook and Software:
- Statistics for Business and Economics (12e revised), by Anderson-Sweeney-Williams.

Selected online chapters and data files can be downloaded from publisher's website [here]
An earlier edition of the textbook (especially, 11e, 12e) works perfectly fine.
- Microsoft Excel (any version 2007/2010/2013 will do).
- Minitab 17, which you should obtain from onthehub.com/minitab.

The 30-day free trial version of Minitab 17 will cover our Summer session if you do not install earlier than August 9th. Otherwise, you would need to purchase the license for $29.99.

Course Website: https://eee.uci.edu/16z/38015
- All course-related contents such as the syllabus, PowerPoint slides, Excel and Minitab data files, quizzes, assignments and their solutions, etc. will be posted on the class website. Your scores will be updated periodically on EEE Gradebook.

Grading

Class Participation	5%
Online Quizzes	15%
Assignments	20%
Midterm	30%
Final Exam	30%
TOTAL	**100%**

Class Participation (5%):
You are expected to actively and constructively participate in class. All materials and topics discussed in class may be tested on the midterm or final exam. Students are expected to be attentive to class discussions and may be asked to explain concepts or to provide feedback when a problem is being solved in class. Use of laptop in class is encouraged only during software demonstrations and classroom exercises. Your laptop should be kept closed during lectures. Attendance may also be randomly taken, and will affect your participation score. In-class exercises may be collected and reviewed for class participation.

Online Quizzes (15%):
After each class, a short multiple-choice quiz is posted on EEE which will be due at the start of the following class. The solution key to the quiz along with your score is automatically released after the deadline, and no extension can be granted on an individual basis. Quizzes are individual work. Only one submission will be allowed.

Assignments (20%):
Four homework assignments will be given to reinforce the quantitative concepts learned in class. Students are encouraged to complete the assignments in groups of two and must turn in the assignments on time. One hard copy (stapled printout) per group must be submitted at the beginning of class on the due date. Electronic submission by email is only accepted in case of proper emergency. Your homework will be graded for credits based on the concepts used and clarity provided in the calculation process. The homework problems are due at the beginning of the class on due dates, unless otherwise specified. Solutions to each assignment are posted shortly following the due date; therefore, **no late assignment can be accepted**. In case of a verifiable emergency (i.e., substantiated by proper documentation), students should contact the instructor as soon as possible, prior to the deadline, to determine a reasonable course of action.

Exams (2×30%):
There will be one midterm exam and one final exam. Both exams are open book, open notes, and laptop is allowed. In any case, the use of cellphones and internet/wireless services is forbidden during the exam. The final exam is comprehensive but will focus more on the material covered after the midterm.
Midterm: Tuesday, Auguest 23 (in class).
Final Exam: Tuesday, September 6 (TBD).

Course Schedule

The following table provides a *tentative* schedule for the course, please check the due date again when an assignment is issued.

Class	Lecture Date	Topic	Assignments Due
1	8/2	Descriptive Statistics Textbook: Ch. 1, 2, 3	
2	8/4	Basic Probability Concepts and Distributions Textbook: Ch. 4, 5, 6	
3	8/9	Sampling and Interval Estimation Textbook: Ch. 7, 8	HW # 1 Due
4	8/11	Hypothesis Testing Textbook: Ch. 9	
5	8/16	Comparing Two Populations Textbook: Ch. 10	HW # 2 Due
6	8/18	Comparing Multiple Populations Textbook: Ch. 12, 13	
7	**8/23**	**MIDTERM EXAM** (covers chapters 1-10)	
8	8/25	Simple Linear Regression Textbook: Ch. 14	HW # 3 Due
9	8/30	Multiple Regression Analysis Textbook: Ch. 15, 16	
10	9/1	Forecasting Textbook: Ch. 17	HW # 4 Due
11	**9/6**	**Final exam** (Comprehensive)	