

ECON 070-001

Economic Statistics Summer I, 2007 M-F 8:00-9:30, Gardner 106

Jason Jones

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Course Prerequisite and Credit:

Students must have taken Econ 10. This course is a requirement for all Econ majors.

Course Goals:

By the end of the course students should be able to:

1. Understand the foundations of statistical theory.
2. Be able to analytically use statistical formulas to answer basic research questions.
3. Perform statistical analysis with STATA and be able to understand and interpret the results.

Required Text:

William Mendenhall, Robert J. Beaver and Barbara M. Beaver. A Brief Course in Business Statistics 2ed. Pacific Grove, CA: Duxbury, 2001.

Recommended Text:

Lawrence Hamilton, Statistics with STATA (updated for version 9), Duxbury, 2006.

Optional Text:

Allison, Paul. Multiple Regression: A Primer. Pine Forge Press, 1999.

Software Requirements:

We will be using STATA in class and your homework assignments will require you to use this program. You may purchase it at a discounted student price (instructions are on my web site) or you can use the copies that are on most campus computers. In addition to the Hamilton book, references on how to use STATA are found online and from the STATA manuals found on reserve in the Undergraduate Library. You can check these out for 2 hours if they remain in the Library.

Homework:

There will be practice problems and/or take home activities assigned each day of class. These will not be handed in or graded and are assigned for your benefit in preparing for exams and participating in class discussions. Answer keys are posted online. I suggest that you try and do the questions before you look at the key, it will be much more

beneficial. Working together on these assignments is encouraged. These will not be turned in, but it is in your best interest to do them. DO NOT fall behind in the class and everything builds on previous material!!!

There will be two assignments that must be handed in and will count towards your final grade. This is your own experiment and the STATA assignment. The experiment assignment is due June 14 within 15 minutes of the start of class (8:15). The STATA assignment is due on the day of the final by 11:15. Late work will not be accepted. Do not put off the STATA assignment, unforeseeable problems often occur.

Exam schedule:

- Exam 1: Thursday May, 24
- Exam 2: Monday June, 4
- Exam 3: Wednesday June, 13
- Final: Tuesday June, 19 - 8:00 AM in G 106

Grades:

- There are 100 points possible in this course;
- Assignments: 20 points (10 points each)
- Exams: 51 points (17 points each)
- Final: 29 points

One exam can be dropped and the weight added to your final if it is beneficial for you (e.g. if you drop one exam your exams are worth 34 total points and your final will be worth 46 total points). There will be **no** make-up exams, if you miss an exam the zero will be dropped and the weight put on your final. **You may only take this option once.** If you miss two exams, the second will count as a zero towards your final grade. There will be no final given on a day other than assigned by the University unless you have an official excuse signed by your dean. Exams will be closed book and closed notes, any formulas you need will be provided. Calculators are allowed and will be needed. Students who would like a graded exam question reviewed must submit in writing a note explaining why a review is warranted. The honor code is in effect on all exams.

Enrollment:

Exams will not be graded or handed back until a student has enrolled in the course.

Tentative Course Outline:

Date	Coverage	Assignment
May 15 (T)	Chapter 1, 2.1-2.3 Hamilton Chap. 1, 3	Experiment Assignment Part 1:DUE: June 1 st Part 2: DUE: June 14 th Both by 8:15 AM
May 16 (W)	2.6 – 2.9, 2.12 Hamilton Chap. 2 p 12-23	24, 30, 34, 35, 44 (use STATA), 53, 58, 77, 84, 85

May 17 (R)	3.1-3.2 extra reading	1, 3, 5, 6, 7, 8, 38(ab), 41(ab), supplement
May 18 (F)	3.3-3.5	12, 13, 14, 16, 17, 18, 22, 23, 27, 28, 49, 50,
May 21 (M)	3.5-3.6	31, 32, 35, 37, 46, 51, 54, 55, 56
May 22 (T)	4	1, 2, 6, 13, 15, 16, 19, 23, 24, 28, 30, 34, 48, 51, 52, 58, 64, 65
May 23 (W)	5.1-5.3	2, 5, 7, 9, ,15, 19, 21, 24, 50, 54, 62, 74, 84, 87
May 24 (R)	Exam 1 Chapters 1-4	
May 25 (F)	5.4, 6.1-6.3	5.26, 5.29, 5.30, 5.35, 5.38, 5.70, 6.1, 6.2
May 28 (M)	Holiday – NO CLASS	
May 29 (T)	6.3-7.2	3, 13, 14, 16, 18, 19, 20, 26, 36, 42, 43 (all in chapter 6)
May 30 (W)	7.3-7.5	4, 6, 7, 8, 9, 12, 13, 15, 16, 21, 23
May 31 (R)	7.6-7.9	25, 28, 29, 31, 34, 37, 44, 48, 50, 53, 57, 58, 60, 87
June 1 (F)	8.1-8.2 Hamilton Chap. 2, 4	Given STATA assignment DUE : June 19 11:15 AM
June 4 (M)	Exam 2 Chapters 5-7	
June 5 (T)	8.3, 8.5 Hamilton Chap. 5	4, 8, 11, 12, 15a, 26, 31, 33, 78, 81(b), 98, 100, 120
June 6 (W)	8.4, 8.7, 8.8	16, 22, 25, 48, 54, 55, 56, 59, 126
June 7 (R)	11.1–11.4 Hamilton Chap. 6	1, 5, 10, 12, 47
June 8 (F)	11	13, 14, 20, 22, 45, 57
June 11 (M)	Multiple regression	Chap 12 - 4, 5, 16, 17
June 12 (T)	Multiple regression	TBA
June 13 (W)	Exam 3 Chapters 8-material on July 20	
June 14 (R)	Multiple regression	TBA
June 15 (F)	No Class/ Special Office Hours TBA	
June 18 (M)	Reading Day – No Class	
June 19 (T)	Final - 8 AM	