Economics 3790: Business and Economics Statistics
Dr. Tod S. Porter
Fall, 2009

Class (DeBartolo 356) Lab (DeBartolo 561)
Section 43812 Monday & Wednesday, 10:00 – 11:50 Friday, 11:00 - 11:50
Section 43816 Tuesday & Thursday, 8:00-9:50 Thursday, 10:00-10:50

Syllabus

Prerequisite: Math 1548, 1570, or 1571, or a level 5 on the math placement exam.


Course Objectives: This course introduces the tools and techniques of statistical analysis that are applicable to the business and economics environment. Topics covered include descriptive statistics, probability, sampling, statistical inference, regression and forecasting. Upon successful completion of the course students should be able to: summarize and interpret descriptive statistics; identify the appropriate statistical technique for data analysis; perform analysis of statistical relationships using various procedures; interpret statistical results. The course will help students form a logical approach to problem solving and decision making in business and economics areas through the use of statistical techniques.

Course Schedule:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Chapter Sections</th>
<th>Content</th>
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<tbody>
<tr>
<td>Aug. 24 - Sept. 14</td>
<td>1.1-1.6, 2.1-2.2, 2.4, 3.1-3.6, 4.1-4.5</td>
<td>Graphs and frequency distributions, descriptive statistics, probability</td>
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<td>Exam #1: Sept. 16 (MW class) Sept. 15 (TTh class)</td>
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<td>Sept. 21 - Oct. 7</td>
<td>5.1-5.4, 6.1-6.3, 7.1-7.6, 8.1-8.4</td>
<td>Discrete and continuous probability distributions, sampling distributions, interval estimation</td>
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<td>Exam #2: Oct. 12 (MW class) Oct. 8 (TTh class)</td>
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<td>Exam #3: Nov. 4 (MW class) Nov. 3 (TTh class)</td>
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<td>Nov. 5 – Dec. 3 Final Exam: Dec. 11 (MW class) Dec. 8 (TTh class)</td>
<td>14.1-14.9, 15.1-15.4</td>
<td>Simple linear regression and multiple regression</td>
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All exam dates are tentative and will be changed as needed.
Grades:

- **Homework and Quizzes (15%, 75 pts.):** Each week the class will either be given a homework assignment or a quiz. My web site will announce what the class will be doing that week.
- **Midterm Exam (45%, 225 pts.):** Three midterm exams will be given, each individual exam will count account for 15% of the final grade (there will be 75 points on each exam).
- **Final Exam (20%, 100 pts.):** The final exam will include selected questions based on earlier exams as well as questions on the material covered in the last section of the course.
- **Lab Assignments (20%, 100 pts.):** The lab assignments will be given and graded by the graduate assistant teaching the lab.
- **Grade cut-offs:** 85/75/65/55 for the lowest A/B/C/D.

**Makeup Exams:** Students with **valid excuses** and **sufficient written evidence** should contact me **in advance** (or immediately after the exam when there’s **unforeseeable situation**) in order to schedule a makeup exam. The instructor reserves the right to postpone scheduling makeup exams until the end of the semester.

**Instructor Contact Information:**

- **Office Hours:** Monday & Wednesday 1:00-2:00, Tuesday & Thursday 10:00-11:00, or by appointment.
- **Office:** Rm. 303 DeBartolo
- **Phone:** 330-941-3431
- **Email:** tsporter@ysu.edu
- **Homepage:** www.class.ysu.edu/~tsporter

**Graduate Assistant: Ross Munroe**

- **Office Hours:** TBA
- **Office:** Rm. 315 DeBartolo
- **Phone:** 330-941-1680
- **Email:** Ross.munroe@gmail.com

**Tutoring:** Tutoring is available through the Center for Student Progress, call (330)941-7253 or visit [www.cc.ysu.edu/csp/](http://www.cc.ysu.edu/csp/) and look for the link “Student Tutorial Services” to schedule an appointment. The Department of Economics also assigns a graduate student to provide tutoring, check the department office for hours when tutoring is available.

**Attendance Policy:** Regular attendance in this class is crucial to your success. If you miss a class, you are still responsible for all material covered and any assignments given.

**Academic Honesty:** Student who is caught cheating (refer to the Undergraduate Bulletin) will receive an “F” for the entire course.
**Disabilities:**
Anyone requiring special adaptations or accommodations should inform the instructor privately as soon as possible. In accordance with University procedures, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the Office of Disability Services (phone: 330-941-1372) at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Disability Services.

**Cell Phones:**
Cell phone **must** be turned off during exams. Receiving calls or text messages during an exam will be treated as committing academic dishonesty.

**Note:**
This is a subject in which keeping up with the material is essential to successfully completing the course. Students who do not regularly attend class and complete the assignments almost always fail to earn a passing grade. If you are struggling with the material please seek assistance from either a tutor or the instructor. Many of the topics in the course build on earlier material so it is important to seek help quickly if you do not understand a concept.