Economics 3402 Section N-01 (Fall2012)

Statistics for Business I

Instructor
Hilde Patron Boenheim, Ph.D.
Richards College of Business, Room 1311
678-839-5036
hpatron@westga.edu
http://www.westga.edu/~hpatron/

Office Hours
Face-to-face (RCOB 1311): Tuesdays: 7:30-11:00AM & 12:30PM-1:30PM
Thursdays: 7:30-9:30AM & 12:30PM-1:00PM

Online office hours*: Mondays, Wednesdays & Fridays: 8:30AM-9:30AM

*To get in touch with me during online office hours send an email to hpatron@westga.edu. If needed, we can then log into the chat room on Statsportal.

Course Information:
This class is fully online. You need to get access to the website STATSPORTAL. In it you will find assigned videos, readings, and assignments (quizzes and or exams). You need to purchase access to Statsportal and register your access code. For instructions on how to purchase and register the code go to the end of this syllabus.

Also, you need to bring a calculator to tests and class meetings (NO CELLPHONES!). The calculator must, at the very least allow you to raise numbers to various powers and take all kinds of roots. A statistical calculator would be preferable.

Preliminary Exam Schedule

Most of the exams will be online. We will talk more about the due dates on the first class meeting but below are the preliminary availability and due dates. You must complete all online and face-to-face exams/quizzes or you will get a zero on the exam or quiz.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Topic</th>
<th>Specifics</th>
<th>Availability/Due Date</th>
<th>Worth</th>
<th>Technical problems?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online quiz</td>
<td>Chapters 1 &amp; 2 (all sections)</td>
<td>20 questions (multiple choice, fill in the blank, etc.)</td>
<td>August 28th 9:00AM through September 24th 6:00PM</td>
<td>5%</td>
<td>Contact Statsportal directly. They will either solve your</td>
</tr>
<tr>
<td>Test Type</td>
<td>Chapters &amp; Sections</td>
<td>Question Type &amp; Time</td>
<td>Date &amp; Time Frame</td>
<td>Percentage</td>
<td>Contact Information</td>
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<tr>
<td>Online test</td>
<td>Chapters 1 &amp; 2 (all sections)</td>
<td>20 multiple choice questions. 60 minutes (starting when you click &quot;begin&quot;). Run continuously even if you leave the attempt and come back later. 1 attempt.</td>
<td>September 27th 7:00AM through October 22nd 6:00PM</td>
<td>20%</td>
<td>Contact Statsportal directly. They will either solve your problem or issue a report to the instructor. I will only review reports generated by the tech support team. (1-800-936-6899)</td>
</tr>
<tr>
<td>Online quiz</td>
<td>Chapters 4 &amp; 5 (all sections)</td>
<td>20 questions (multiple choice, fill in the blank, etc.) 60 minutes (starting when you click &quot;begin&quot;). Run continuously even if you leave the attempt and come back later. 3 attempts. Highest score will count.</td>
<td>October 1st 9:00AM through October 22nd 6:00PM</td>
<td>5%</td>
<td>Contact Statsportal directly. They will either solve your problem or issue a report to the instructor. I will only review reports generated by the tech support team. (1-800-936-6899)</td>
</tr>
<tr>
<td>Type</td>
<td>Chapters</td>
<td>Questions/Sections</td>
<td>Duration</td>
<td>Attempts</td>
<td>Instructions</td>
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<tr>
<td>Online test</td>
<td>Chapters 4 &amp; 5 (all sections)</td>
<td>20 multiple choice questions. 60 minutes (starting when you click &quot;begin&quot;). Run continuously even if you leave the attempt and come back later. 1 attempt.</td>
<td>October 25th 7:00AM through 6:00PM</td>
<td>20%</td>
<td>Contact Statsportal directly. They will either solve your problem or issue a report to the instructor. I will only review reports generated by the tech support team. (1-800-936-6899)</td>
</tr>
<tr>
<td>Online quiz</td>
<td>Chapters 6 (all sections), 7.1 &amp; 10.1</td>
<td>20 questions (multiple choice, fill in the blank, etc.) 60 minutes (starting when you click &quot;begin&quot;). Run continuously even if you leave the attempt and come back later. 3 attempts. Highest score will count.</td>
<td>October 29th 9:00AM through November 26th 6:00PM</td>
<td>5%</td>
<td>Contact Statsportal directly. They will either solve your problem or issue a report to the instructor. I will only review reports generated by the tech support team. (1-800-936-6899)</td>
</tr>
</tbody>
</table>
| Online test| Chapters 6 (all sections), 7.1 & 10.1 | 20 multiple choice questions. 60 minutes (starting when you click "begin"). Run continuously even if you leave the attempt and come back later. 1 attempt. | November 29th 9:00AM through 6:00PM | 20%      | Contact Statsportal directly. They will either solve your problem or issue a report to the instructor. I will only review reports generated by the tech support team. (1-
Course Description:

In this course we study basic statistics concepts and emphasize their applications to business environments. The various topics include methods of presenting data, probability theory and distribution, central tendency and dispersion measures, hypothesis testing, and linear regression.

Prerequisites: MAT111 or MATH 1113, CISM 2201 and a 2.0 minimum GPA. You also need to have access to a computer and you must have access to the internet.

Textbook: "Practice of Statistics for Business and Economics, 3rd Edition" by Moore, McCabe, Duckworth and Alwan. You have two options. YOU MUST SELECT ONE OF THE TWO. ACCESS TO THE ONLINE STATSPORTAL IS REQUIRED TO PARTICIPATE IN THE COURSE.


Course Objectives and Learning Outcomes

(1) Construct and interpret tabular and graphical methods of presenting qualitative and quantitative data. (LG2, LG3, LG10)

(2) Construct and interpret summary numerical measures of location, variability, and association for the sample and the population. (LG2, LG3, LG10)

(3) Apply basic probability concepts, expected value, and variance to a variety of business applications (LG2, LG6, LG10)

(4) Use discrete and continuous probability distributions and sampling distributions in a variety of business applications (LG2, LG3, LG6, LG10)
(5) Construct and interpret interval estimates and hypothesis tests (LG2)

(6) Estimate regression models, evaluate the results of regression models, and use the results for prediction and forecasting (LG2, LG3, LG6, LG10)

(7) Use Microsoft Excel to generate descriptive statistics and perform regression and correlation analysis (LG2, LG3, LG6, LG10)

Note: A complete list of expected learning goals (LG) for the Economics Department can be found at the department web site (http://www.westga.edu/econ/index_12904.php).

**Attendance Policy**

You have to attend the final exam. You also have to login the statsportal course every week, and complete all assignments within the assigned deadline. You need to attend the final exam.

**Grading**

We will have three online quizzes (each is worth 5%), three online exams (each is worth 20%), and a cumulative final exam (worth 25%). You need to bring an 882-Escantron to the final test. If you miss a test or online assignment you will have to provide a valid excuse in writing (doctor's excuse). I will not give make up quizzes or tests. Only verifiable doctor's excuses will be considered as valid excuses for missing a quiz or test. The excuse must encompass the complete time span that the assignment is available. All excuses will be verified. (Vacations, weddings, and other social events are not valid excuses).

**No make-ups will given under any circumstances. Deadlines will not be moved under any circumstances.** You are responsible for completing the assignment by the deadline.

All grades will be posted online on STATSPORTAL.

**If you have any questions, concerns, complaints, etc. about your grade you MUST bring it to my attention within 48 of the posting date. You cannot wait until the end of the semester to argue about missing grades, or other problems (48 hours from publication date).**

**Grading Scale**

A: 90% or higher

B: 80% to 89.9999%

C: 70% to 79.9999%
D: 60% to 69.9999%

F: Less than 60%

Note: an 89.9% is a B!

No extra credit opportunities will be offered!

**Academic Integrity**

Academic dishonesty as described by the Honor Code (which you can find at [http://www.westga.edu/assets/docs/studentHandbook2006.pdf](http://www.westga.edu/assets/docs/studentHandbook2006.pdf)) will not be tolerated. Any such actions will result in a score of zero on the associated assignment(s) and/or dismissal from the course with a grade of F.

**Affirmative Action**

University of West Georgia adheres to affirmative action policies to promote diversity and equal opportunity for all faculty and students.

**Americans with Disabilities Act**

If you are a student who is disabled as defined under the Americans with Disabilities Act and requires assistance or support services, please seek assistance through the Center for Disability Services. A CDS Counselor will coordinate those services. See [http://www.westga.edu/~dserve/](http://www.westga.edu/~dserve/)

**Equal Opportunity**

No person shall, on the grounds of race, color, sex, religion, creed, national origin, age, or disability, be excluded from employment or participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity conducted by UWG.

**Having Problems with Statsportal?**

If you need help with the StatsPortal you may request help from technical support by calling 1-800-936-6899 (phone hours are from 9:00 AM to 3:00 AM Monday-Friday, Saturday and Sunday 11:30 AM - 8:00 PM EST), or emailing at techsupport@bfwpub.com

**Disclaimer**

The instructor reserves the right to change this syllabus at anytime during the semester. Any changes will be announced in writing.

**StatsPortal**
You can purchase the access card (and book) at the bookstore, or you can purchase it online directly using a credit card.

To purchase the access code online, direct your browser to http://courses.bfwpub.com/psbe3e and click on "students:purchase access to StatsPortal".

Once you have an access code (purchased online or in the bookstore), you must register it. Direct your browser to http://courses.bfwpub.com/psbe3e and select "students: register and activation code". You will have to provide some information (name, email address, etc.). You will also have to select the school and course you are enrolling in. It is very important that you sign up for the right class. You need to select Statistics for Business I (Patron Boenheim)
Select your instructor’s StatsPortal course:

Select the state or province where your institution is located: GA

Select your institution: UNIVERSITY OF WEST GEORGIA

» Select your course / instructor: Statistics for Business I (Fall 2012) - N01 - Patron Boenheim, Hilde

The course will be organized in modules. When you enter the course in Statsportal you will see this:

Click on View All Assignments:
See all components, due dates, etc:

<table>
<thead>
<tr>
<th>Assignment Type / Title</th>
<th>Points Worth</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Displaying Distributions with Graphs</td>
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<td>Set</td>
</tr>
<tr>
<td>1.1.1 Displaying Distributions with Graphs</td>
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<td>Set</td>
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<tr>
<td>1.2 Individual &amp; Variables</td>
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<td>Set</td>
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<tr>
<td>2.1 Categorical Variables: Pie Charts &amp; Bar Graphs</td>
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<td>Set</td>
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<tr>
<td>3.1 Quantitative Variables: Histograms</td>
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<td>Set</td>
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<tr>
<td>3.2 Interpreting Histograms</td>
<td>not complete</td>
<td>Set</td>
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<tr>
<td>3.3 Spacing suspected outliers</td>
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<td>Set</td>
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<tr>
<td>4.1 Quantitative Variables: Stemplots</td>
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<td>Set</td>
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<tr>
<td>4.2 Time plots</td>
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<td>Set</td>
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<tr>
<td>Quiz module 1</td>
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<td>Set</td>
</tr>
<tr>
<td>Excel Submission</td>
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