Economics 3402 Section N-01 (Fall2011)
Statistics for Business I

Professor: Hilde Patron

Instructor

Hilde Patron, 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): Mondays & Wednesdays: 7:00-10:00AM

Online office hours*: Tuesdays and Thursdays: 11:00AM-12:00PM

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

Course Information:
This is an online class. We will meet on the first day (optional meeting) and on two other days for face-to-face exams. We will meet on August 22nd (for orientation), October 26 (test 1) and December 7 (test 2) in room RCOB 1308. You will have access to online videos, assignments, and case studies online through the website STATSPORTAL.

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 class and tests (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 Class Schedule

You are required to attend the first meeting and two exams.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics to be Discussed</th>
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<tbody>
<tr>
<td>Monday, August 22</td>
<td>Introduction to class and Statsportal</td>
</tr>
<tr>
<td>Monday, September 26</td>
<td>Online quiz # 1 is due: Chapter 1, sections 1.1, 1.2, and 1.3.</td>
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<tr>
<td>Monday, October 24</td>
<td>Online quiz # 2 is due: Chapter 2 (sections 2.1, 2.2, 2.3, 2.4), chapter 3 (sections 3.1, 3.3) and chapter 4 (sections 4.1, 4.2, 4.3, 4.4).</td>
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<tr>
<td>Date</td>
<td>Event</td>
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| Wednesday, October 26| Face-to-Face Meeting  
  Test # 1 Chapters 1, 2, 3, 4                                        |
| Monday, November 14  | Online quiz # 3 is due: Chapter 5 (sections 5.1, 5.2, 5.3) and chapter 6 (sections 6.1, 6.2). |
| Monday, December 5   | Online quiz # 4 is due: Chapter 7 (section 7.1) and chapter 10 (sections 10.1). |
| Wednesday, December 7| Test # 2: Chapters 5, 6, 7 and 10                                    |

**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 are required to attend the first meeting and the two exams. You also have to login the statsportal course every week.

**Grading**

We will have two face-to-face exams during the semester and four online assignments.

Each test is worth 30%. The four tests combined are worth 60%. The exams are all multiple choice. You need to bring an 882-Escantron to each test. If you miss a test you will have to provide a valid excuse in writing (doctor's excuse for example). If I deem the excuse acceptable you will have to take a cumulative final exam on the date of the last exam (December 7). No other alternatives will be available for missed exams. No re-scheduling of the final exam date either. The final exam cannot be used to replace a low scoring test.

There will be 4 online quizzes. Each quiz is worth 10% of the grade. All online quizzes combined are 40% of the grade. Failure to complete an online assignment will result in a zero on the quiz or exercise. **No make-ups will be 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](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](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 or Smith)

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 2011) - 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:
See all components, due dates, etc:

<table>
<thead>
<tr>
<th>Assignment Title</th>
<th>Points Worth</th>
<th>due date</th>
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<tbody>
<tr>
<td>Module 1: Chapter 1, Section 1.1</td>
<td>0.5</td>
<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.01: Individuals and Variables</td>
<td>0.5</td>
<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.02: Categorical variables: pie charts and bar graphs</td>
<td>0.5</td>
<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.03: Quantitative variables: histograms</td>
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<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.04: Interpreting histograms</td>
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<td>06/06/2020</td>
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<td>Blah Title 1.05: Detecting outliers</td>
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<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.06: Quantitative variables: stemplots</td>
<td>0.5</td>
<td>06/06/2020</td>
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<tr>
<td>Blah Title 1.07: Time plots</td>
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<td>06/06/2020</td>
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<tr>
<td>Quiz module 1</td>
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<td>06/06/2020</td>
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<tr>
<td>Excel submission</td>
<td>0.5</td>
<td>06/06/2020</td>
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