Course Information: In this class you will have regular lectures in room RCOB 1308 and online readings, videos, and assignments through the website STATS.PORTAL. 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 AS CALCULATORS!). 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. I use a TI84Plus for calculator examples in class.

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. RCOB lab access is available for every student in the class.

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 STATS.PORTAL 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: There is no grade for coming to class, but you are responsible for all material and all announcements made in class. You cannot claim as an excuse for missing an assignment or quiz being absent when the announcement was made. You also have to login the StatsPortal course every week.

Grading: We will have four exams during the semester and four online assignments. Each test is worth 20%. The four tests combined are worth 80%. The exams are all multiple choice. You need to bring an 882-Escantron to each test. If you miss the first exam, you will be dropped from the course. If you miss any subsequent exam, 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. No other alternatives will be available for missed exams. Anyone who participates in school-sponsored activities (e.g., debate competition or varsity athletics), may reschedule an exam for an EARLIER time, but must provide 7 days’ notice to do so (note: sports schedules are available in advance of the semester). No re-scheduling of the final exam date. The final exam cannot be used to replace a low scoring test. You must arrive to tests on time. You will not be allowed to start a test if someone else has already finished and left the room.

There will be online modules assigned in StatsPortal. Each module has assigned readings, videos, and a multiple choice quiz (the quizzes (and online assignments) combine for 20% of the final grade). No make-ups will be given under any circumstances for modules and deadlines will not be moved. You are responsible for completing the assignments by the deadline. All grades will be posted online on STATS.PORTAL.

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!

Academic Integrity: Academic dishonesty as described by the Honor Code (which you can find at http://www.westga.edu/undergrad/1762.htm) 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. The following actions will be considered violations of the honor code in this course:

- Talking to classmates during tests.
- Looking at other students' exams.
- Texting or emailing during tests.
- Borrowing/sharing calculators during tests.
- Working in groups or getting help on online assignments.

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/

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.

Disclaimer: The instructor reserves the right to change this syllabus at any time during the semester. Any changes will be announced in class and by email. The ***Preliminary*** Class Schedule outlined below is PRELIMINARY; however, every effort will be made to adhere to the schedule. Any changes will be announced and emailed to the class.

STATSPORTAL IS REQUIRED!

Go to the following link:
http://courses.bfwpub.com/psbe3e.php

You should see a login screen like the following:

There are two options for accessing the online materials:

1) If you purchased a registration card from the bookstore, you click on REGISTER and complete the form for access. Make sure you choose the correct State (GA), University (THE UNIVERSITY OF WEST GEORGIA), and Instructor (WILLIAM J. or JOEY SMITH). The course may not be available for the first couple of days of class. Check back daily until you can register for MY class.

2) If you didn’t purchase a registration card from the campus bookstore, you can use a credit/debit card to pay for the course materials and book directly online. Click on PURCHASE and follow the instructions below:
Make sure you choose the correct State (GA), University (THE UNIVERSITY OF WEST GEORGIA), and Instructor (WILLIAM J. or JOEY SMITH). The course may not be available for the first couple of days of class. Check back daily until you can register for MY class.

Fill out your information, including your order form (not shown) to get access.

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
<table>
<thead>
<tr>
<th>Date</th>
<th>Topics to be Discussed</th>
<th>Online Assignments</th>
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| Week 1 (Jan 10-12) | **Introduction to class and to StatsPortal**  
1.1. Bar, pie, Pareto, line graphs, histograms, stemplots.  
1.2. Describing distributions with numbers (mean, median, variance, st. deviation, quartiles). |                                   |
| Week 2 (Jan 17-19) | 1.2. Describing distributions with numbers (mean, median, variance, st. deviation, quartiles).  
1.3. The Normal Distribution. | StatsPortal Quiz Due Monday, Jan 23 |
| Week 3 (Jan 24-26) | 2.1. Scatterplots  
2.2. Correlations |                                   |
| Week 4 (Jan 31-Feb 2) | 2.3. Least squares regression  
2.4. Cautions about correlation and regression | StatsPortal Quiz Due Monday, Feb 6 |
| Week 5 (Feb 7-9) | **First Exam (Tuesday, Feb 7th) Ch 1-2**  
**Online Assignment (TBA)** | Joey @ Conference/(online assign.) |
| Week 6 (Feb 14-16) | 3.1. Describing samples  
3.3. Towards statistical inference |                                   |
| Week 7 (Feb 21-23) | 4.1. Randomness  
4.2. Probability models  
4.3. Random variables  
4.4. Central Limit Theorem |                                   |
| Week 7 (Feb 28-Mar 1) | 5.1. General probability rules | StatsPortal Quiz Due Monday, Mar 12 |
| Week 8 (Mar 6-8) | 5.2. The Binomial Distributions  
5.3. The Poisson Distributions |                                   |
| Week 9 (Mar 13-15) | **2nd Exam (Tuesday, Mar 13th) Ch 3-5** |                                   |
| Week 10 (Mar 20-22) | (Spring Break) |                                   |
| Week 11 (Mar 27-29) | 6.1. Estimating with confidence  
6.2. Tests of significance | StatsPortal Quiz Due Wednesday, Apr 11 |
| Week 12 (Apr 3-5) | 7.1. Inference for the mean of a population  
7.1. Inference for the mean of a population |                                   |
| Week 13 (Apr 10-12) | 8.1. Inference for a single proportion | 3rd Exam (Thursday, Apr 12th) Ch 6-8 |
| Week 14 (Apr 17-19) | 10.1. Inference about the regression model  
10.2. Using the regression line | StatsPortal Quiz Due Wednesday, Apr 25 |
| Week 15 April (24-26) | Application of Regression |                                   |
| TBA | **Test # 4: Chapters [1 & 2 review] + 7, 8 and 10.** |                                   |