ECON5000: Introductory Business Statistics
Albers School of Business and Economics
Seattle University
Fall 2014 Online Course

Instructor Information
Lawrence Morales, Ph.D.
Email: The best place to contact me privately is via the WAMAP messaging system. I check that site more regularly than I do traditional email. I do not check my SeattleU email every day.

Course Description
Business Statistics introduces business and economics students to basic statistical procedures and concepts used in the business world. (These are the same as those used in other disciplines.) The course covers descriptive statistics, basic probability theory, discrete and continuous probability distributions, sampling distributions, interval estimation, hypothesis testing, and simple linear regression.

Important: I will be providing a series of videos before most classes that you should watch BEFORE you come to class. During class, I will minimize formal lecture and focus on highlighting big ideas, answering questions, giving you time to practice in groups, and getting you started on Data Labs.

Course Objectives:
This course should enhance a student’s ability to:
• Use computers for statistical analysis
• Interpret and communicate quantitative information
• Interpret descriptive statistics;
• Apply probability theory and interpret probabilities
• Interpret interval estimation, conduct simple hypothesis testing, and interpret simple linear regression.

Materials
• An active WAMAP.org account. (Free)
• A subscription to Statcrunch.com. (About $20):

Prerequisites
• Proficiency is algebra, basic concepts of calculus, and computer proficiency.
Grading
Exams 40%
Homework 20%
Cases 20%
Group Work 10%
Data Labs 10%

Exams
We will have one midterm and one final exam, both cumulative. Dates are on the course web site (wamap).

Homework
Online homework should help prepare you for the exams. You can regenerate most problems for full credit if you don't get full points on your first attempt(s).

Cases
Cases are short write-ups based on data. Primarily, they provide you a way to apply the ideas from the course to a business context. More details on the case problems will be provided on the course site. A scoring rubric will be provided for case problems. Please read the rubric carefully to understand how you will be graded for these assignments. Case problems often require the use of some form of statistical software to do analysis, generate graphs, etc. We will use StatCrunch for this purpose. Case problems should be written and saved in MS Word (.doc or .docx format). Cases must be submitted in class (printed) or via email (MoralesMath@gmail.com) by the stated deadline and time.

Group Work
These are short assignments you will complete in class to get practice with the ideas from each week's Topic. These are completed in groups and cannot be made up if you miss class. Each person in the group will get the same grade for your group’s work. I will drop at least one low score in case you have to miss class for some reason.

Data Labs
The data labs give you practice applying the ideas from the course to data sets. We will try to start these in class but if you run out of time, you can finish them before the next class meeting. You can start working with others on this in class, but each person gets credit individually.

Special Accommodations
If you have, or think you may have, a disability (including an ‘invisible disability’ such as a learning disability, a chronic health problem, or a mental health condition) that interferes with your performance as a student in this class, you are encouraged to arrange support services and/or accommodations through Disabilities Services staff in the Learning Center, Loyola 100, (206) 296-5740. Disability-based adjustments to course expectations can be arranged only through this process.