

Statistical Analysis for Managerial Decisions

QMB 6358

Module 2, Fall 2016

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Class Website: The website for this class is located on the university's Canvas system. To access this, you will need to use your Gatorlink account. I will post lecture power points, assignments and other material there.

Class Meeting Hours: Mon and Wed 4:05 - 6:00 pm in 101 Stuzin

Office Hours: Tue and Thu 2-3:30 pm

If I am not around when you need to see me, the best way to contact me is e-mail.

If you have any problems with this course that you are unable to solve by consulting with me, you should next bring them to the attention of my department chairman in 351 Stuzin Hall.

Objective: To build on the concepts learned in your first statistics course, teaching you how to perform very thorough statistical analyses, work with statistical software packages and, in general, be a better person.

Assurance of Learning: Each program at the Warrington College of Business Administration has developed goals and objectives that express the most valued skills and knowledge that students should be able to demonstrate upon completion of the total learning experiences in that program. The following ISOM program goals and objectives that apply to QMB6358 are:

Learning Goal 2: Apply appropriate problem solving and decision-making skills.

2B. Assess the outcomes of a course of action and make appropriate adjustments.

Learning Goal 4: Think critically and analytically in formulating business solutions.

4A. Students will gain expanded knowledge of ever evolving technologies and processes and solidify the technical skills needed in applying these to solve intricate problems.

4B. Students will be able to critically evaluate the impact of business decisions on stakeholders.

Prerequisites: A course in statistics (QMB 3250, STA 2023, QMB 5304 or equivalent).

Text: There is no text. Selected materials will appear on the Canvas site.

Software: In this course we will be using the SPSS software program. This is available at a very low cost to students, and free via a remote application facility. Do not purchase SPSS until we have discussed it in class.

Grading: For QMB 6358 there will be two exams plus some homework assignments. The two exams will count 40% each, with the homework totaling 20%. *All out-of-class work may be performed in groups of 2-4, and handed in together.* The in-class work is obviously solo.

Honor Code: For any academic class activity, students must follow the University of Florida Student Honor Code. Any violation of the honor code will automatically result in a grade of E (Fail) for this course and further sanctions that may include a suspension or expulsion from the University through the Dean of Students Office. All incidents will be reported to Student Conduct and Conflict Resolution at the University of Florida.

Outline and Tentative Schedule for QMB 6358

10/24	Introduction
10/26	Probability Review
10/31	Statistical Inference Review
11/2	Statistical Inference Review Comparing Two Populations
11/7	Comparing Several Populations
11/9	Comparing Several Populations
11/14	Predictive Analytics Regression: Estimation
11/16	Regression: Inference
11/21	Exam 1
11/28	Using Indicator Variables as predictors
11/30	Using Indicator Variables as predictors
12/5	Using an Indicator as the dependent variable
12/7	Logistic Regression
12/12	Final Exam