Southern Illinois University
College of Business

Syllabus

FIN 208 001– Business Data Analysis
Spring 2016

Credits: 3 Hours

Class Time: Section 001 8:00 A.M. Tuesday and Thursday  Instructor: Herbert Aaron Lukes

E-Mail: HAL2015@siu.edu

TEL:
Office: Rehn 130
Office Hours: Wednesday 10:00 to Noon and by appointment.

Class Webpage on D2L

By: David M Levine, Kathryn A. Szabat and David F. Stephan

This textbook must be accompanied by the “My stats lab” access code. Purchasing this textbook used, or without the access code will require an additional purchase of the unique access code separately. I recommend that you contact the official SIU Bookstore with any textbook questions.

Course Description: This course is an introduction to the methods of statistical analysis for datasets employed in business applications. We will introduce statistical theory, and practical application of the use of statistical data analysis tools.

Course Objectives and Student Learning Outcomes.

1. Learn basic statistical terminology.
2. Generate statistics manually and with the aid of computer software.
3. Learn how to recognize and implement solutions to common statistical problems.
4. Understand how to employ statistics to solve problems creatively.
5. Communicate mathematically. Understand the symbols and terms used in statistics that are based in mathematics, this is a “math”, as much as a statistical data analysis class.

EXAMS: There will be two midterm exams and a cumulative final exam.
QUIZZES on MyStatsLab: We will have quizzes on MyStatsLab quite often, the application requires your answers to be exact. The application will mark answers that are not exactly correct as wrong. I suggest you use Microsoft Excel in order to perform your calculations and round to the decimal place that the program asks you for.

Grading

Exam 1 25%
Exam 2 25%
Quiz total 25%
Final Exam 25%

At the end of the semester, letter grades will be assigned as indicated by the following table of standards, I reserve the right to lower these standards, but they will not be raised.

A 90%
B 80%
C 70%
D 60%
F 59% and below

Expectations and Standards

- It is expected that the student possesses the knowledge and skills commensurate with his or her education level including, but not exclusive to, the ability to read and write at a college level.
- The student will participate in the course by reading assigned material and submitting assignments on time, as well as interacting with the class during lecture time.
- The student will check emails and announcements on D2L as well as MyStatsLab as they become available.
- Late work without prior approval will not be accepted.
- Emails to the instructor require a 24-hour response window. Your patience is appreciated.
- Your instructor will not discuss your personal grades with you at any time other than a pre-arranged appointment.
- Your grade will not be changed for any reason. Asking for a grade change for any reason other than a grader arithmetic error, which must be done outside of lecture time, will cause the instructor to assume that there has been an error in your grading record. Since I assume there has been a grading error, this will cause a review of all graded material throughout the semester, your grade may increase or decrease when the review is concluded.
Academic Dishonesty: Any actions rising to the level of academic dishonesty will be diligently prosecuted. You will be randomly assigned to a seat during exams. Academic dishonesty is defined by the student code of conduct. All SIU students are required to abide by the student code of conduct. Please refer to http://www.siuc.edu/~policies/policies/conduct.html

Cell Phones: Please be considerate with your cell phone use, this is an academic class and as such the environment must be respected at all time by appropriate usage of all devices. Your politeness is appreciated.

Disability Support Services: Southern Illinois University supports Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, which ensure that postsecondary students with disabilities have equal access to all buildings, facilities, events and so forth, and are not discriminated on the basis of disability. Students with disabilities: Any students with a disability will provide formal documentation. Please contact me and we will discuss accommodations. Disability Support Services (DSS) provides federally mandated academic and programming support services to students with permanent and temporary disabilities. Students are responsible for providing documentation and for requesting accommodations. Please see http://www.siu.edu/~dss/

Emergency Procedures: Southern Illinois University is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team program (BERT). Emergency response information is available on posters in buildings on campus, and is available on the BERT website at www.bert.siu.edu, know how to respond to each type of emergency, for your safety. Instructors will provide guidances and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The building emergency response team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

Disclaimers: The instructor reserves the right to modify or append any portion of this syllabus and the requirements of the course, upon notice to the students, which shall be given during lecture time. Any student who does not attend class is responsible for inquiry as to any changes, assignments or other announcements that are not posted on D2L

There will not be answers to homework, quizzes or tests posted on D2L. Materials of such nature that are presented in class are not required in any manner to be posted on D2L. It is your responsibility to replicate anything done in classes you miss.

Course Schedule: Week 1 Jan-19
Introduction to the course and Chapter 1 "Defining and Collecting Data"
Assigned reading Chapter 1
Week 2 Jan-26
Organizing and Visualizing Variables
Assigned reading Chapter 2
Week 3 Feb-2
Descriptive Measures
Assigned reading Chapter 3
Week 4 Feb-9
Introduction to Basic Probability
Assigned reading Chapter 4
Exam 1 Feb-11
Week 5 Feb-16
Discrete Probability Measures
Assigned Reading Chapter 5
Week 6 Feb-23
The Normal Distribution
Assigned Reading Chapter 6
Week 7 Mar-1
Sampling Distributions
Assigned reading Chapter 7
Week 8 Mar-8
Confidence Interval Estimation
Assigned reading Chapter 8
Exam 2 Mar-10
Week 9 and 10 Mar-22 to 29
Hypothesis Testing
Assigned reading Chapter 9
Week 10 Apr-5
Two-sample Tests
Assigned reading Chapter 10
Week 11 Apr-12
Chi-square tests
Assigned reading Chapter 11
Week 12 Apr-19
Simple Linear Regression
Assigned reading Chapter 12
Week 13 Apr-26
Multiple Regression
Assigned reading Chapter 13
Week 14 May 2
Final Exam Review