STAT 1051-10 Intro-Business & Economic Statistics

Course: STAT 1051 10
Semester: Spring 2015, 01/12 – 04/27
Time: MW, 06:10 - 08:00PM; Location: 1957 E, Room 214.

INSTRUCTOR: Dr. Zhenyu Rick Liu
E-mail: zliu@gwu.edu
Office hours: MW 07:30 - 08:00PM and MW 05:30 - 06:00PM by appointment.

TA: Lei Li
E-mail: lilei2013@gwmail.gwu.edu
Office hours: TR 04:30 - 05:30PM at Conference Room at Department of Statistics.


COURSE OBJECTIVE: This is an introductory course of statistics for students with non-statistics major. We will cover the following topics: Describing data using summary statistics and graphics, probability, random variables, sampling distributions, estimation and hypothesis testing based on a single sample. If time permits, an introduction to simple linear regression will also be covered.

Please note that Stat 1051, 1053, 6104, and 1111 are related in their subject matter, and credit for only one of them may be applied toward a degree.

LEARNING OUTCOMES: At the end of the semester, the student be able to
- Familiar with the descriptive statistics
- Understand and apply laws of probability
- Construct and interpret confidence intervals
- Conduct statistical testing to evaluate evidence for and against hypotheses.

GRADING
- Homework (20%),
- Quizzes (30%),
- Midterm exam (20%),
- Final exam (30%)

HOMEWORK: Homework problems will be assigned almost every week and collected the week later. No late homework will be accepted.

QUIZZES: Six quizzes will be given in class through the semester.

MIDTERM EXAM: A midterm exam covering the material in Chapters 1-4 will be given in class on 03/04.
FINAL EXAM: The final exam will be cumulative but with more emphasis on topics discussed after the midterm exam.

CLASS POLICIES
- A grade of INCOMPLETE will ONLY be given to a student who is passing the course and cannot complete the course due to illness or other well documented circumstances beyond his/her control.
- There will be NO make-up quizzes/exams. Lowest HW/quiz score will be dropped.
- The midterm and final will be closed book. You are allowed a one-page handwritten note sheet for the midterm, and a two-page note sheet for the final.
- You will need a calculator to do the quizzes, exams, and in-class problems, so please bring a calculator to class.
- Students are not allowed to use laptops or other electronic devices during lecture unless asked to.

ACADEMIC INTEGRITY
I personally support the GW Code of Academic Integrity. It states: “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: http://www.gwu.edu/~ntegrity/code.html

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM
DISABILITY SUPPORT SERVICES (DSS)
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://gwired.gwu.edu/dss/

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300
The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:
- crisis and emergency mental health consultations
- confidential assessment, counseling services (individual and small group), and referrals
  http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices

SECURITY
In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.