Elementary Statistical Methods
Summer 17 – MATH 1342 - 03 CRN: 70119 3 Cr.

Learning responsibility rests on you

Instructor: Tamer Oraby

Class location: MAGC 2.210

Time: MTWRF 1:00 – 2:30 pm

Office hours: MTWR 12:00 – 12:45 pm (or by appointment) @ office

Office location: MAGC 3.428

Office phone number: 665-3536

E mail: tamer.oraby@utrgv.edu (I prefer contacting me by e mail)

Prerequisites: College ready TSI status in mathematics.


Calculator: TI-84 Plus (You can borrow one from the library. First come first served.)

Scantron: You need to have 3 scantrons for the 3 exams.

Description: This course provides an elementary overview of the nature and uses of
descriptive statistics, inferential statistics, and probability. Topics include statistical graphs,
measures of central tendency and dispersion, linear regression, empirical and theoretical
concepts of probability, the Central Limit Theorem, interval estimation, and hypothesis
testing.
All wireless network capable devices, e.g., PCs, phones, must be off and should not be visible during class, tests or exams.

Course learning objectives:

On completion of this course,
1. You will be able to identify the different types of data sets and understand how those data sets are collected.
2. Given a data set, you will be able to produce and explain the appropriate graphs and descriptive summary for that data. You will then be able to draw preliminary conclusions about the variables measured by those data.
3. You will be able to select and perform the appropriate statistical analysis required to reach a conclusion regarding some specific questions related to the variables. You will then be able to interpret the conclusions in terms of the actual problem for which we collected that data set.
4. You will be able to understand and use some probability models, and clearly comprehend the relationship between those probability models and statistical analysis.
5. You will be able to carry out objectives 2, 3, and 4 using the available computational tools, like TI-84.

You are expected to:

1. Attend all the classes and arrive on time (by the first minute when I take attendance).
2. If you miss more than 3 classes without an official documented excuse, you will be asked to drop the course.
3. Do all the homework: about 8 HWs assigned twice a week and solved in that week through blackboard.
4. Take the two-midterm exams in addition to the final exam at the dates mentioned above and repeated below. They will be held in classroom.
5. There is no makeup for the homework and exams unless you give a documented excuse before the exam.
6. You can stop me during the class and ask me questions. Please ask me in clear words.

- Course assessment:
  1. Assigned homework will be announced in class.
  2. Midterm exams: we will have 2 midterm exams on

    Wednesday July 26, 2017 and Friday August 4, 2017

  3. Common final exam: we will have a semi-comprehensive final exam on

    Friday August 18, 2017 from 1:45 – 3:30 PM

- Grading policy:
  ✓ Homework ---------------------------------25%
  ✓ Attendance ----------------------------------5%
  ✓ Midterm exams 1 and 2 ------------------25%+25%
  ✓ Final exam ------------------------------25%

(Notice that total is 105%)

Raw grades will be posted on your blackboard account.

- Grading scale:
  A: 90 – 105%    B: 80 – 89%    C: 70 – 79%    D: 60 – 69%
  F: 59% or below

Learning is not equivalent to doing your homework
Tutoring

There are all kinds of math tutoring available on campus. Math Lab I, II (MAGC 1.106, MAGC 1.308) and the Math Learning Center in the LEAC Building room 114.

Attendance

Attendance is mandatory. You are required to come to all class-meetings; please come on time. Please turn off your cell-phones during class.

Students with Disabilities

If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. Brownsville Campus: Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@utrgv.edu. Edinburg Campus: Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

Sexual Harassment, Discrimination, and Violence

In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at http://www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.

Scholastic Integrity

As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism, and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.

Relaxing and punctual working on the course is the best way to learn