

Applied Statistics I (R Lab I)

Math 3170-002 Summer 2019

Class meets: 05/15/2019 to 07/03/2019

Time: We 08:30AM-11:00AM

Holidays:

Place: LCB 115

Instructor: Sung Chan Choi, JWB 121

Email: choi@math.utah.edu

Office Hours: F 2 pm- 3pm, or by appointment JWB 121

Tutoring, Computer Lab, and Printing:

Free tutoring and free printing are available in the T. Benny Bushing Mathematics Center, located between LCB and JWB. The regular hours is M-Th 8:00am - 8:00pm, Fri 8:00am - 6:00pm. See <http://www.math.utah.edu/ugrad/mathcenter.html> .

Text:

- John Verzani, Using R for Introductory Statistics, Second Edition, CRC Press, 2014
- You will need to download the R statistical software package. I also highly recommend you download the R IDE RStudio; this is very helpful when coding in R.

Objectives:

This course is an introduction to using the R statistical software package for statistical computing.

Tentative Course Outline:

In this course, we will cover chapters 1 through 9 of Verzanis book. This includes using R for:

1. Creating and analyzing datasets
2. Simulating random variables
3. Creating statistical graphics
4. Performing inferential statistics

Grade Policy:

Grading is based exclusively on eight equally weighted lab projects and 7 quizzes. The lowest one lab project grades and the lowest one quiz grade will be dropped . Final grades will be assigned according to the following:

≥ 93	A	73 - 76	C
90 - 92	A-	70 - 72	C-
87 - 89	B+	67 - 69	D+
83 - 86	B	63 - 66	D
80 - 82	B-	60 - 62	D-
77 - 79	C+	≤ 59	E

Projects:

Projects are assigned Friday night of every week and will be due the following Wednesday at the end of class. I do not accept late assignments; any assignment turned in after the deadline will be given a 0 grade.

Other Policies

- I will demand respectful behavior in my classroom. Examples of disrespect include reading a newspaper or magazine in class, social chatting with your friend in class, text-messaging your buddies during class or cuddling with your girl/boyfriend in class.
- There will be no cursing nor negative ranting (for example, "math sucks") on any written work turned in. The penalty for such things on your written work will be a zero score on that assignment or test!
- You need to have a valid email address registered with Campus Information System.
- You need to check CANVAS everyday.
- Student Responsibilities: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. You have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, collusion, fraud, theft, etc. Students should read the Code carefully and know you are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.
See <http://regulations.utah.edu/academics/6-400.php>
- I reserve the right to change my policies stated in this syllabus at some point in the semester. If I do make a change to a policy, I will announce it in class and send the change in email.

Other Important Dates:

You may add, drop (delete), elect CR/NC, and audit workshops, miscellaneous, and short term classes according to the Deadlines for Courses with Irregular Start & End Dates policy chart.

See <https://registrar.utah.edu/academic-calendars/summer2019.php>

ADA:

The American with Disabilities Act requires that reasonable accommodations be proved for students with physical, cognitive, systemic learning, and psychiatric disabilities. The student needs to have such a disability approved by the Disability Service Office (162 UNION, 581-5020) in order to have the accommodations provided. The instructor need to be informed about such a disability and approved accommodations at the beginning of the semester.