Class Time and place:  Tu. & Thur. 12:30 – 1:45  Hanes 125
Instructor:  Chuanshu Ji  Hanes 301  962-3917  cji@email.unc.edu
Website:  http://www.stat.unc.edu/faculty/cji/664/664-12.html
Office Hours:  Tu. & Thur. 11:00 – 12:15
Teaching Assistant:  Eunjee Lee  eunjee2@gmail.com  (office hour: TBA)
Textbook:
  •  Linear Regression (course pack) R.L. Smith & K.D.S. Young
  •  Linear Models with R Julian J. Faraway (Chapman & Hall/CRC, 2005)
Exams:  Midterm (Tu. 10/16, in class),  Final (Tu. 12/11, 12:00 – 3:00)
Grading Policy:  Midterm 25%,  Homework 25%,  Final 50%
Exam Policy:
  •  closed-book, closed-notes
  •  allow a formula sheet (double-sided)
  •  will provide tables
  •  bring your own calculator
Homework Policy:
  •  No late homework is allowed unless an extension is granted by the instructor prior to the
due date.
  •  Show your work neatly. Include your name and PID. Clearly label each problem and staple
your homework. Do not use a red color pen/pencil. Although we do not enforce a page
limit, please only include relevant outputs and information for computational problems.
  •  Failing to follow the rules may lead to a grade of zero for the assignment at the TA’s
discretion.
Computing
  •  This course involves extensive computing using the statistical software R.
  •  To install R, go to  http://cran.r-project.org  For a Windows machine, follow “download
R for Windows → base ...” to install the basic package. You can also find some useful
documents on R from the R website. In addition, there is a nice book on R entitled
Introductory Statistics with R by Peter Dalgaard (Springer Verlag, 2002).
  •  It is your responsibility to install R and to familiarize yourself with its basic features. I
will ask the TA to help you get started.
• The book by S & Y includes some descriptions on S-PLUS and SAS. S-PLUS and R are two different implementations of the S language. More details about them can be found at http://cran.r-project.org/doc/FAQ/R-FAQ.html SAS is widely used in industry. We will not cover it in this course, but some websites are provided.

• If you want to use SAS and S-PLUS, there are two options:
  ◦ Use UNC’s statistical applications computer “emerald”, for which, as graduate students, you should all have a direct access via your ONYEN. This is a Linux-based system which includes SAS, R, S-PLUS and Matlab. More information about the machine can be found at http://help.unc.edu/?id=4168
  ◦ Use a free-standing desktop or laptop with SAS and S-PLUS installed. For most students, this is more convenient. Students in STOR can use the departmental machines, which have these packages installed. As an alternative, you can install SAS and S-PLUS yourself, either on a departmental machine or on your own PC, using CDs that you can obtain from ATN. To find out the procedures, send an email to software@unc.edu or visit http://www.unc.edu/atin/software/ To renew your SAS license, visit http://help.unc.edu/?id=5546
  ◦ An excellent introduction to SAS is The Little SAS Book by Delwiche and Slaughter, written for beginners. It will take you as far as PROC REG and PROC ANOVA (Chapter 7) which suffice to give you the flavor of how the package works.