

Stat 511 Spring 2008

Instructor : Prof. Stephen Vardeman
2096 Black Engineering Building (and 2451 Wilson Hall)
vardeman@iastate.edu
<http://www.public.iastate.edu/~vardeman/>

Phone: 294-9068 (and 294-2535 in Wilson)
Fax: 294-3524 (and 294-4040 in Wilson)
Office Hours: 12 MWF, 9:30 T/R (all in Black Engineering) and as arranged (for time and location)

Assistant: Ying Shi
2408 Wilson Hall
yshi@iastate.edu

Phone: 294-7778
Office Hours: T 9:30-11:30 Mole Bio 3014

Textbooks: *Linear Models With R* and *Extending the Linear Model with R: Generalized Linear, Mixed Effects and Nonparametric Regression Models*, both by Faraway

Other Useful Books: *Applied Linear Statistical Models* (4th Edition) by Neter et al.
Plane Answers to Complex Questions (3rd Edition) by Christensen
Linear Models in Statistics (2nd Edition) by Rencher and Schaalje
Modern Applied Statistics with S (4th Edition) by Venables and Ripley

Class Schedule: 11 MWF 280 Town Engineering

Final Exam: 9:45-11:45 Wednesday May 7th

Course Grading:

Exam 1	25%	(2/26/08 7-9 PM 101 Carver Hall)
Exam 2	25%	(4/7/08 7-9 PM 101 Carver Hall)
Final Exam	40%	(5/7/08 9:45-11:45 AM 101 Carver Hall)
Homework	10%	

Schedule: Vardeman will be out of town (there will be no lecture) 3/5/08. This class will be made up by the 1st evening exam. Another lecture (possibly 4/7/08, but this will be announced later) will be cancelled in honor of the second evening exam.

Homework: Homework will be due on Fridays, either in class or by 5 PM at the TA's office in Wilson Hall. Copies of the assignments and solutions will be posted on the course homepage

<http://www.public.iastate.edu/~vardeman/stat511/stat511.html>

You may ask Vardeman (or Ying) for (limited) help with the assignments. And you may discuss the homework with fellow students. But each individual must independently write up his or her own assignments for turning in. **This is an integrity issue.** Do not copy what someone else has written and turn it in as your own. Do not use someone else's R code. You must use your own words, symbols, and code. Each student will attach a cover sheet to his or her assignment with the following **written out, signed, and dated** in his or her own handwriting:

I have neither given nor received unauthorized assistance on this assignment.

Computing: All computing for the course will be done in R (an open-source implementation of S). There is a link to the R web page on the course homepage. The software may be downloaded for free. It will be fundamentally your own responsibility to learn how to use R. (This will not be the subject of much, if any, class discussion). A link on the main R web page will take you to on-line manuals, and in particular to "An Introduction to R." If you are not familiar with R, you should read through that document, play around with the software, and quite possibly work through the "A Sample Session" part of the document during the first week of class.

Accommodation for Students with Disabilities

Iowa State University complies with the American with Disabilities Act and Sect 504 of the Rehabilitation Act.

If you have a disability and anticipate needing accommodations in this course, please contact Vardeman before the end of the 2nd week of the semester. Later requests for accommodations may not be honored. Anyone requesting an accommodation will need to obtain a SAAR form with recommendations for accommodations from the Disability Resources Office, located in Room 1076 of the Student Services Building.