

STA 6167 Section 038F, Fall 2013
Statistical Methods in Research II
Course Information and Policies

Objectives: The sequence of courses STA 6166-6167 focuses on methods of modern statistics emphasizing application as opposed to the derivations and justification of the procedures. The focus of STA 6167 is applied regression and design of experiments. R will be the statistical environment of choice.

Prerequisite: STA6166 or an equivalent (STA6126 is not a sufficient substitute for 6166).

Course Web Site: a page was set up on e-learning/Sakai, LSS.at.ufl.edu

Instructor: Nikolay Bliznyuk, 406 McCarty Hall C; nbliznyuk@ufl.edu.

Teaching Assistant: Runmin Shi, srm0927@ufl.edu

Please limit your messages to those that can be fully answered in 1-2 sentences. To ensure timely response, mention STA6167 in the subject header.

Office Hours: To be announced on the course web page, and subject to change in the first few weeks of class. Special appointments with the instructor may be arranged by mutual agreement.

Labs: subject to student and room availability, labs emphasizing case studies and data analysis using R will be held periodically; relevant materials will be posted on the course page; details TBA

Required Textbook: *Applied Statistical Methods*, by Larry Winner, available at <http://www.stat.ufl.edu/~winner/statnotescomp.html>

Tentative list of topics

- Multiple Linear Regression
- Analysis of Covariance
- General Linear Model
- Factorial Designs (Fixed, Mixed, Random Effects)
- Nested Designs
- Split-Plot Designs
- Repeated Measures Designs
- Logistic Regression
- Poisson Regression
- Nonlinear Regression

Homework: regular homework will be assigned on most weeks

Grading: 60% homework, 40% exams (tentatively, one prelim and final, weighted equally; both in class; dates TBA). Each component score will be converted to a 100-point scale, upon which weights will be applied. To facilitate class attendance, short quizzes based on homework materials may be given.

Final Grades: standard cutoffs (90% is A- or higher, 80% is B- or higher, etc) will be tentatively

adopted, but most likely, relaxed.

Final letter grades will be assigned on the University's official grading scale that includes minus grades. Details may be found on the following web page:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

A grade of Incomplete (I*) is assigned only in rare cases, such as if you are absent with extenuating circumstances from the final exam. Extenuating circumstances require specific, official documentation (e.g. a signed excuse note from the Student Health Care Center). You are eligible for a grade of Incomplete only if you have completed a significant amount of the graded course work and you are currently passing based on that work (with a C or better), as determined by the instructor. If you find yourself unable to continue the semester before that point is reached, you should instead seek an administrative withdrawal.

Lecture Attendance: Classroom lecture attendance is important, though ordinarily not strictly enforced. You are responsible for learning all material presented during lecture, and any topic covered in lecture is a potential exam topic (unless the instructor states otherwise). Please respect your classmates and avoid any circumstances or activities that may be distracting, insensitive, or harmful.

Academic Integrity: Please familiarize yourself with the Student Honor Code and Academic Honesty Guidelines outlined in your University of Florida Student Guide and at <http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>

Reasonable Accommodations: To request classroom accommodation, please be certain that you have made all necessary arrangements with the Dean of Students Office, and obtain from them documentation to submit to the instructor at the time of your request. A request must be made to the instructor at least one week in advance of the date for which the accommodation is requested.

This course information and policies sheet can be made available in alternative formats to accommodate print-related disabilities. Contact the instructor for information.