

STAT 651: Statistics in Research I

Fall 2008 Blocker 150

Section 602: M W F 11:30pm–12:20pm

INSTRUCTOR: Dr. David B. Dahl
dahl@stat.tamu.edu, 845-3141

ASSISTANT: Qing Chang
qchang@stat.tamu.edu, 845-9448

GETTING HELP:

Monday	9:00am - 10:00am	104 Blocker	Qing Chang , Huijan Pan, Qi Wang, & Lianfu Chen
	4:00pm - 6:00pm	104 Blocker	Xiaolie Xun & Ganggang Xu
Tuesday	3:30pm - 5:00pm	436 Blocker	Dr. Dahl
Wednesday	4:00pm - 6:00pm	104 Blocker	Xiaolie Xun & Ganggang Xu
Thursday	3:30pm - 5:00pm	436 Blocker	Dr. Dahl
Friday	9:00am - 10:00am	104 Blocker	Qing Chang , Huijan Pan, Qi Wang, & Lianfu Chen
	1:00pm - 3:00pm	104 Blocker	Qing Chang , Huijan Pan, Qi Wang, & Lianfu Chen
	3:00pm - 5:00pm	409 Blocker	Qing Chang

Notes:

1. 104 Blocker is a room in the Blocker Open Access Lab.
2. Any TA in 104 Blocker can help with homework and concepts.

COURSE DESCRIPTION: A non-calculus exposition of the concepts, methods, and usage of statistical data analysis intended for graduate students in other disciplines. Prerequisite: MATH 102 or equivalent.

WEBSITE: The course website is:

<http://www.stat.tamu.edu/~dahl/teaching/651>

The site has lectures notes, homework problems and solutions, the lecture schedule, the class syllabus, software examples, etc. Please check the website frequently.

TEXTBOOK: *An Introduction to Statistical Methods and Data Analysis, Fifth Edition*, by R. Lyman Ott and Michael Longnecker, 5th Edition. THERE IS NO NEED TO BUY THE TEXTBOOK since an electronic version will be made available at no additional cost. Detailed instructions on downloading the book are available at:

<http://dist.stat.tamu.edu/pub/DoStat/HowToGetPDFs.htm>

The “Course Reference” is “DS-21” and the “Registration Code” will be announced in class. (Please note that both are case-sensitive.) Of course, some students prefer the printed text, which is available for purchase at the MSC Bookstore.

SCHEDULE: The class website has a detailed schedule. It gives the dates that exams are administered and homework assignments are due. Any conflicts with this schedule need to be discussed with Dr. Dahl immediately. The schedule also gives sections in the book that students are responsible for. Lectures complement this material.

SOFTWARE: The statistical concepts and procedures introduced in class will be demonstrated in statistical software. The primary emphasis of the class will be mastering statistical concepts, not the software. Some homework problems will be solved using the computer and some exam problems may ask you to interpret computer output. We will be demonstrating SPSS, a popular statistical software package, but you are free to choose whatever statistical software you prefer. SPSS is installed on all the Open Access Labs on campus (including the one on the first floor of Blocker). As a registered student in the class, you are entitled to get SPSS at no additional cost. Go to:

<https://software.tamu.edu/sell-student/credentials.aspx>

COURSE GRADE: Course grades will be assigned using the following weights:

Homework	20%
Exam I	20%
Exam II	20%
Final Exam	40%

If you are unable to take a test at the scheduled time you must notify Dr. Dahl *as soon as possible*. Missed exams will be a given zero points except for an University Excused Absence. In that case, Dr. Dahl (at his discretion) may either administer a makeup exam or use the final exam grade to compensate for the missed exam. An incomplete grade will be given only if a student, due to an University Excused Absence, is unable to make up the final before the semester grades are due.

HOMEWORK: Homework assignments will be posted periodically on the course website. Homework is due at the *beginning* of class on the due date. To accomodate unforeseen circumstances, your lowest homework score will be excluded when computing your grade.

You are encouraged to work together, but the write-up *must* be written by you and reflect your understanding of the assigned problems. You may not refer to solutions manuals, work derived from solution manuals, or solutions from previous semesters. Some homework assignments are due the lecture before an exam. If you would like to refer to these assignments for your exam preparation, you will need to make a photocopy before you turn them in. Solutions to homework problems will be available at the course website.

EXAMS: Each exam is cumulative, but emphasizes recently covered material. Exam problems will be a mixture of work-out, short answer, multiple choice, and true/false questions. The exams are closed book, but you may bring one $8\frac{1}{2} \times 11$ inch sheet of hand-written notes (with writing on both sides) to the first exam, two sheets to the second exam, etc. You may write on both sides of the sheets and they may contain anything you want, including examples, formulas, definitions, etc. You are responsible for bring your own calculator capable of addition, multiplication, and taking the square-root. More advanced calculators may not be used if the advanced is not employed.

CLASS ATTENDANCE: Class attendance is an important part of your success in the class. The syllabus, homework assignments, exam dates, etc. may be changed by in-class announcements. If you are absent, please check with a classmate regarding the lecture material and announcements. If you are going to miss class on a day that homework is due, submit it early or send it with a classmate. Outside of class, Dr. Dahl and the assistant are best-able to help those who attend class.

STATEMENT ON DISABILITIES: STATEMENT ON DISABILITIES: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Disabilities Services in Room B118, Cain Hall. The phone number is 845-1637.

STATEMENT ON PLAGIARISM: The handouts used in this course are copyrighted. By “handouts,” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission. As commonly defined, plagiarism consists of passing off as one’s own ideas, words, writing, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.”

ACADEMIC INTEGRITY STATEMENT: The Aggie Honor Code states, “An Aggie does not lie, cheat, or steal or tolerate those who do.” Please refer to the Honor Council Rules and Procedures on the web:

<http://www.tamu.edu/aggiehonor>